

## Conference Program

Main building University of Bern  
Hochschulstrasse 4  
3012 Bern  
Switzerland



# BERN-CH 2014 CONFERENCE

3rd-5th September



**LibreOffice**  
The Document Foundation

# Donors and Sponsors

## Donors and Platinum Sponsors

### HASLERSTIFTUNG

The purpose of the Hasler Foundation is to promote information and communications technology (ICT) for the well-being and benefit of Switzerland as an intellectual and industrial centre. The Foundation aims to play an active role in ensuring that Switzerland continues to take a leading position in science and technology in the future.



**Burgergemeinde  
Bern**

The Burgergemeinde unites values such as tradition and continuity with the challenges of the future. It serves the community and promotes the cultural, social and scientific live in the city of Bern.



Google is a proud user and supporter of open source software and development methodologies. Google contributes back to the Open Source community in many ways, including more than 35 million lines of source code, project hosting on Google Code, projects for students including Google Summer of Code and the Google Code-in Contest, and support for a wide variety of projects, LUGS, and events around the world.



LibreOffice-from-Collabora delivers a cross platform, enterprise hardened build of LibreOffice with 3 years of patch support (MSP files for Windows) and code level support on a standard Service Level Agreement. This provides the lowest Total Cost of Ownership for a supported Office implementation in a business critical environment. «Anything is possible» custom development is also available. All work is provided back upstream to the LibreOffice project.



CloudOn is a leading mobile productivity platform with over seven million customers. CloudOn makes it easier and faster for people to connect to their documents, projects and teams, allowing them to create, review and share documents from wherever they are. CloudOn integrates with popular storage providers, including Box, Dropbox, Google Drive and OneDrive. Visit [www.cloudon.com](http://www.cloudon.com) for more information.

## Gold Sponsors



For over a decade, Adfinis SyGroup AG has been consistently active in the open-source environment and has successfully positioned itself as a leading provider of this pioneering technology. As reliable service provider and partner, we support clients from private and public sectors in the planning and implementation of projects, the optimization, monitoring and operation of their systems, and in the protection of commercial data and processes, among other things. In doing so, we consistently and successfully work with open technologies and standards.



Founded in 2004 as a spin-off of Tübingen University, Böblingen-based ITOMIG GmbH supports its clients internationally in using Free and Open Source Software in a business context.

Its key areas of expertise are free office solutions (mainly based on LibreOffice), including migration support and consulting as well as software development, and IT service management consulting and implementation services based on iTop. With clients ranging from Paris to Vienna, ITOMIG has successfully supported well-known organisations such as the Max-Planck-Gesellschaft, Agrarmarkt Austria, and the City of Munich.



Canonical is the company behind the Ubuntu operating system and the leading provider of services for Ubuntu deployments in the enterprise, OEM and telco sectors. Ubuntu is an open source platform for client, server and cloud computing - including mobile devices and smartphones, as announced recently. Since its launch in 2004, it has become a natural choice for users of all kinds, from Fortune 500 companies to hardware makers, content providers, software developers and individuals.



Studio Storti, the most referenced provider of Open Source solutions for the Government and Public Administration sector, is the main Zimbra Open Source Edition and ZeXtras Suite integrator in Italy. The sole Italian company within The Document Foundation's Advisory Board and active member of the LibreOffice Community, provides migrations and trainings through a highly skilled staff according to The Document Foundation's guidelines.



The CIB group is a leading developer of standardized document lifecycle management applications with more than 25 years of experience. In addition, the company has been a reliable partner in IT consulting. CIB is now expanding its involvement in LibreOffice.

## Silver Sponsors



Igalia leads the development of essential projects and components in the areas of web rendering and browsers. Igalia also has years of experience developing and optimizing key components of the GNU/Linux graphical pipeline, multimedia and compilers.



Univention is a leading supplier of Open Source products for the operation and management of IT infrastructures. The core product is Univention Corporate Server (UCS), a flexible, cost-efficient and successful alternative to server solutions from Microsoft. UCS includes comprehensive Active Directory functions and an App Center to integrate and operate enterprise applications.



Puzzle ITC is an Open Source service provider who specializes in individual software and system engineering projects. The Puzzle team consisting of over 60 software architects/developers, Linux system engineers and usability experts is located in Berne and Zurich. As a Red Hat Premier partner, Puzzle masters the engineering of Data Center Infrastructure, Enterprise Middleware Solutions, Cloud Infrastructure and furthermore.



Red Hat is at the forefront of open source software development for enterprise IT, delivering a growing portfolio of products for commercial markets. CIOs and IT departments around the world rely on Red Hat solutions for their performance, security, feature-set, and unmatched value.



openSUSE is a free and Linux-based operating system for your PC, Laptop or Server. You can surf the web, manage your e-mails and photos, do office work, play videos or music and have a lot of fun!



www.F-O-X.biz is a themed expert-platform that deals with free office suites in professional environments. F-O-X supports both users and providers with market transparency and the balance of interests between community, users and service providers. Co-sponsor of the platform is .riess applications gmbh - longstanding provider of consulting, solutions and services in LibreOffice environments.



We help to solve your organizational problems in innovative and creative ways. We know that in ICT soft factors count as much as hard skills. We love to consult with much blood, sweat and tears and thereby remain deeply inspired by the ideals of the open source community. We work for small, big and governmental clients



We design, implement and support smart IT solutions based on open source technology for small and medium-sized businesses.

## Welcome to Bern!

### Dear participants

**It is a great honor to welcome you in Bern for the international LibreOffice conference 2014. For us as the city of Bern as well as the University of Bern the hosting of the global LibreOffice gathering is a chance to give back a little bit what this great open source community has created during the recent years.**

This conference is also an opportunity to promote even further what a fantastic office solution LibreOffice is and what a healthy open source community is able to achieve. In the Development, the Community, the Marketing & Migration and in the Professional User tracks you will hear a lot of interesting talks about the ongoing and the future state of the LibreOffice project.

So where exactly does this conference take place and who is organizing it? About Bern and its university: Our city is a small but very beautiful location in the middle of Switzerland. With approximately 140'000 inhabitants the historic city of Bern is part of the UNESCO world heritage since 1982. As capital of Switzerland the city of Bern is also the center of public administration where many Swiss political and government decisions are made. If you get the chance, visit the Federal Palace of Switzerland which was built 1902 in the center of the city.

About the conference location: The University of Bern is the teaching and research institution of 15'400 students and 8'000 staff members at 8 faculties and 160 institutes. We have a wide range of Bachelor, Master, and PhD programs in the areas of theology, humanities, law, economics, social sciences, medicine, veterinary medicine and sciences.

Since the beginning of 2014 there has been a unique place at our university for «open» topics: With support of the open source association Swiss Open Systems User Group /ch/open the new Research Center for Digital Sustainability was founded within the Institute for Information Systems. The center focuses on research, teaching, and consulting in regards to open source communities, open data, open government, and net politics. Together with /ch/open the Research Center for Digital Sustainability is the organizing unit of this year's LibreOffice conference.

However, this conference would not be possible without the support of The Document Foundation, a great team of voluntary organizers (especially Nicolas Christener and Gabriela Gnägi), without sponsors (see on the left), without the variety of speakers from all over the world, and of course without you!

I wish you a memorable LibreOffice conference 2014 with lots of new and fun experiences. Hope to see you at the hack night on the 3rd and on the Social Event on the 4th of September 2014.



Dr. Matthias Stürmer  
Head of the Research Center for Digital Sustainability at University of Bern  
Member of the city parliament of Bern  
Member of the board of Swiss Open Systems User Group /ch/open

## Schedule, Wednesday, 3rd September

	Developer, Room 110	Community, Room 106	Marketing & Migration, Room 105
09:00	Welcome to the conference! - <i>Conference Organizers, Thorsten Behrens, TDF</i>		
09:30	Keynote from Google - How Google Works with Open Source/Free Software <i>Jeremy Allison</i>		
10:00	Keynote from CloudOn - It's Magic. It's Mobile. <i>Shachar Binyamin</i>		
10:50	Break		
11:00	Keynote from Collabora - How Collabora serves customers & community <i>Michael Meeks</i>		
11:50	State of the Project - <i>Italo Vignoli, Florian Effenberger, Michael Meeks</i>		
12:10	Lunch Break		
13:00	Red Hat, Inc. an Internal Informal Case Study <i>Caolán McNamara</i>	QA Roundtable <i>Bjoern Michaelsen</i>	Update about Certification <i>Italo Vignoli</i>
13:30	Inconsistencies Fixed in Writer <i>Miklos Vajna</i>		Profile of Training Professionals <i>Italo Vignoli</i>
14:00	GSoC Panel <i>GSoC Students</i>		Profile of Migration Professionals <i>Italo Vignoli</i>
14:30			LibreUmbria, an Update on the Green Migration <i>Alfredo Parisi</i>
15:00	Life after Calc Core Change <i>Kohei Yoshida</i>	Tools for QA <i>Florian Reisinger</i>	Migrating from MS Office to LibreOffice : The Italian Public Administrations <i>Marina Latini</i>
15:30	Coffee Break		
16:00	Squashing the Beast into 60 MB Cage <i>Tor Lillqvist</i>	QA Mission Plan : Where we are Headed in 2015 <i>Robinson Tryon, Joel Madero</i>	LibreItalia <i>Sonia Montegiove</i>
16:30	Unittest and CI Roundtable <i>Bjoern Michaelsen</i>		LibreOffice Messaging <i>Italo Vignoli</i>
17:00			
17:30	3D Models in Impress <i>Tamas Zolnai</i>		

Development	ODF & Document Liberation
Quality Assurance (QA)	Infrastructure
Migration	Localization (l10n)
Marketing	Keynotes

## Professional User Track, Wednesday

# Open Source Office Lösungen bei Behörden und Unternehmen

Mittwoch, 3. September 2014 von 9:30 bis 16:40 Uhr

Hauptgebäude Universität Bern, Raum 114 (1. Stock), Hochschulstrasse 4, 3012 Bern

Im Rahmen der internationalen LibreOffice-Konferenz findet am Mittwoch, 3. September 2014 an der Universität Bern der Professional User Track zum Einsatz von Open Source Office Lösungen bei Behörden und Unternehmen statt. Erfahrene Fachexperten aus der Schweiz, Deutschland und Österreich geben Einblick in die unterschiedlichen Anwendungsfelder von LibreOffice und OpenOffice und zeigen praxisrelevante Lösungsansätze auf.

Die Veranstaltung wird durch die Arbeitsgruppe OSS der Schweizerischen Informatikkonferenz SIK und die Working Group Office Interoperability der Open Source Business Alliance organisiert. Die Begrüssung hält Balthasar Glättli, Nationalrat und Mitglied des Kernteams der Parlamentarischen Gruppe Digitale Nachhaltigkeit. Es folgen Vorträge zur professionellen Nutzung von LibreOffice und OpenOffice beim Schweizerischen Bundesgericht (460 Arbeitsplätze), in der Stadt München (15'000 Arbeitsplätze), bei der LVM Versicherung in Münster (13'000 Arbeitsplätze), bei der Österreichischen Justiz (12'000 Arbeitsplätze) und bei den Schulen im Kanton Genf. Den Abschluss bildet eine Diskussionsrunde über die Ursachen und Handlungsmöglichkeiten warum Open Source Office Lösungen im professionellen Umfeld in der Schweiz erst wenig genutzt werden.

### Professional User Track, Room 114

09:00	<b>Kaffee und Gipfeli</b>
09:30	<b>Begrüssung durch Balthasar Glättli</b> Nationalrat Kanton Zürich und Kernteam Parlamentarische Gruppe Digitale Nachhaltigkeit
09:40	<b>Welcome message von Collabora</b>
09:45	<b>Welcome message von CloudOn</b>
09:50	<b>Daniel Brunner, Schweizerisches Bundesgericht:</b> 10 Jahre Open Source Office-Einsatz am höchsten Gericht der Schweiz
10:20	<b>Dr. Jutta Kreys, IT-Architektin Stadt München:</b> Einsatz von LibreOffice bei der Landeshauptstadt München
10:50	<b>Kaffee - Pause</b>
11:20	<b>Thomas Serries, DV-Architekt bei der LVM Versicherung in Münster:</b> 13'000 LibreOffice User bei einer Versicherung - Individualisierung von Vertragswerken mit LibreOffice und Java
12:00	<b>Gerhard Bissels und Michael Helfer, Universitätsbibliothek Bern:</b> LibreOffice und Open Source Literaturverwaltung im akademischen Betrieb
12:40	<b>Mittagessen</b>
14:00	<b>Benjamin Sponring und Wolfgang Schlapschy, Bundesrechenzentrum GmbH Österreich:</b> OpenOffice.org in der österreichischen Justiz - Einsatzgebiete und Erfahrungen
14:40	<b>Cyril Roiron, Kanton Genf:</b> Office suite usage in the canton of Geneva within education environnement
15:10	<b>Kaffee - Pause</b>
15:30	<b>Dr. Wolfgang Straub und Dr. Matthias Stürmer:</b> LibreOffice vs. Apache Open Office: Technische, organisatorische und rechtliche Unterschiede
16:00	<b>Diskussionsrunde: Open Source Büroautomatisation in der Schweiz</b> Teilnehmende: Erich Hofer (Vorsitzender SIK-Arbeitsgruppe OSS, IT-Leiter beim Kanton Bern), Markus Willi (www.educa.ch), Jutta Kreys (München), Nicolas Christener (Adfinis SyGroup AG), Martin Seifert (office at work) Moderation: Marcel Hauri, IDG Communications AG (Computerworld, PCTipp)
16:40	<b>Apéro</b>

## Schedule, Thursday, 4th September

	Developer, Room 110	Community, Room 106	Marketing & Migration, Room 105
09:00	<b>LibreOffice Building Tips and Tricks</b> <i>Lubos Lunak</i>		
09:30	<b>Getting into the Code for Beginners</b> <i>Michael Meeks</i>	<b>ODT and Word in Practice</b> <i>Alexander Mayer</i>	<b>Promoting LibreOffice in Your Language</b> <i>Charles Schulz</i>
10:00	<b>drawinglayer : What Should You Know about It</b> <i>Jan Holesovsky</i>	<b>The Infrastructure of the LibreOffice Project</b> <i>Alexander Werner, Florian Effenberger</i>	<b>Almost Hidden Features in LibreOffice 4.3</b> <i>Eike Rathke</i>
10:30	<b>Techniques Used for Testing of HTML, SVG, WMF/EMF Formats</b> <i>Tomaz Vajngerl</i>	<b>tb3, Tinderboxing and Testing</b> <i>Bjoern Michaelsen</i>	
11:00	<b>A Threading Snarl</b> <i>Michael Stahl</i>		
11:30	<b>Writing Import Filters for LibreOffice</b> <i>Fridrich Strba, David Tardon</i>	<b>Translations of LibreOffice Guides (in Two Languages in Parallel)</b> <i>Miloš Šrámek, Stanislav Horáček</i>	<b>Just starting out: LibreOffice for Beginners</b> <i>Robinson Tryon</i>
<b>Lunch 12:00 - 13:00</b>			
13:00	<b>OOXML DOCX Interoperability Status</b> <i>Adam Fyne</i>		<b>LibreOffice Migrations of Office Suite Dependent Applications</b> <i>László Németh</i>
13:30			<b>LibreOffice as the First Step in FOSS Migration : UNESP – Univ Estadual Paulista</b> <i>Valdir Barbosa, Douglas Vigliuzzi</i>
14:00	<b>Thoughts on Future Core Design BOF</b> <i>Michael Meeks</i>		<b>Framing Your Competition</b> <i>Italo Vignoli</i>
14:30			
15:00	<b>LibreOffice on Android</b> <i>Tomaž Vajngerl, Tor Lillqvist</i>	<b>Status of the Upcoming ODF 1.3</b> <i>Svante Shubert</i>	<b>An Upcoming Issue in Feasibility Evaluations for a Migration to LibreOffice: Security</b> <i>Lothar K. Becker</i>
15:30	<b>Break</b>		
16:00	<b>OpenGL in LibreOffice</b> <i>Markus Mohrhard</i>	<b>Overview of Localization Infrastructure of LibreOffice</b> <i>Andras Timar</i>	<b>LibreOffice Migration Protocol</b> <i>Cor Nouws</i>
16:30	<b>Lightning Talks 1</b> <i>Various</i>		<b>Marketing Strategy Workshop</b> <i>Charles Schulz, Italo Vignoli</i>
17:00			
17:30	<b>Mail Merge Internals</b> <i>Eilidh McAdam</i>		

## Schedule, Friday, 5th September

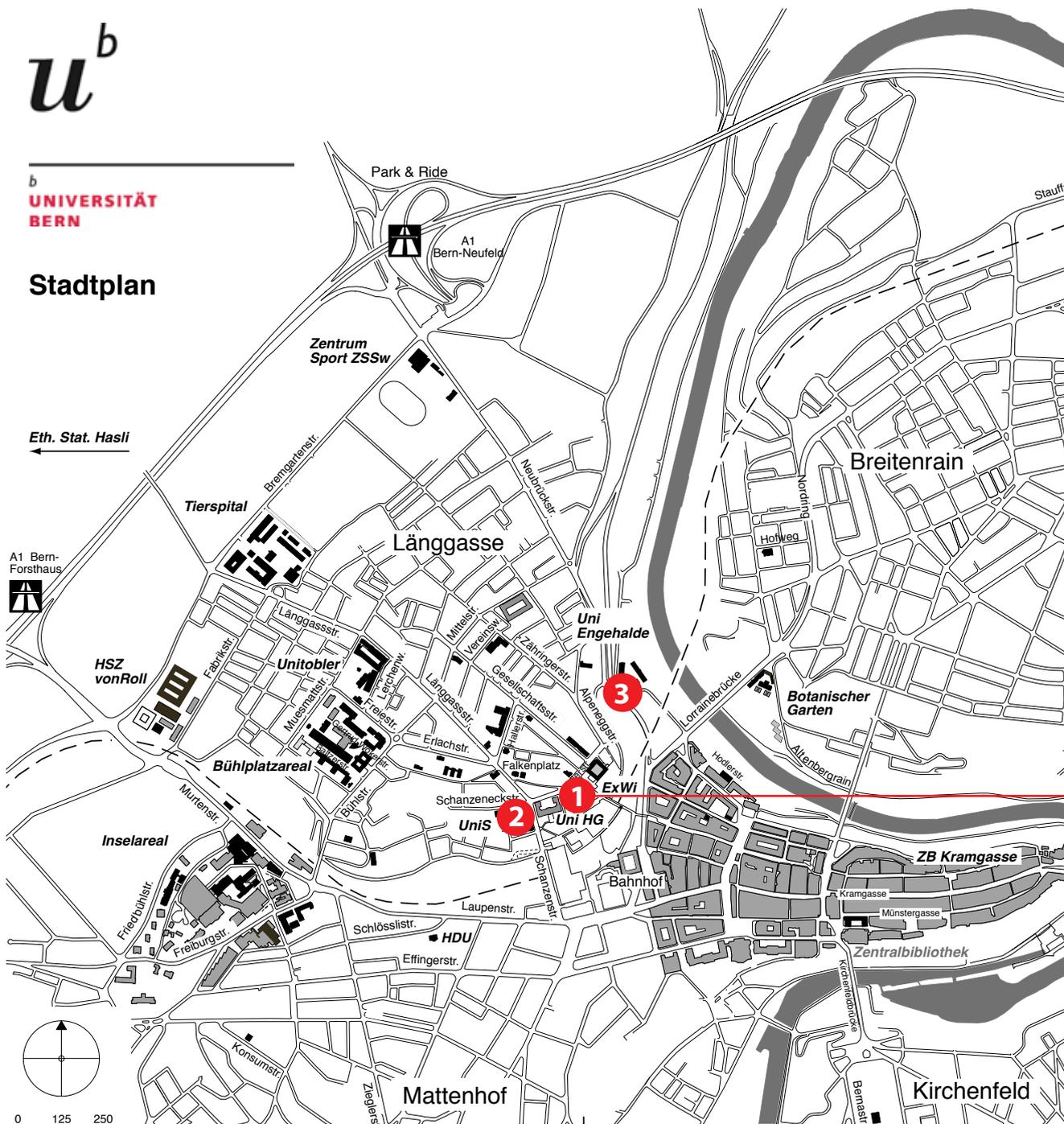
	Developer, Room 110	Community, Room 106	Marketing & Migration Room, 105
09:00			
09:30		<b>A programmable template driven document builder for ODF</b> <i>Christoph Lutz</i>	<b>What's cooking in GNOME - 3.12 under the hood</b> <i>Tobias Mueller</i>
10:00	<b>LibreOffice Architecture for iOS Document Editor</b> <i>Ptyl Dragon</i>	<b>Setting up Release-Baseline Build Environments</b> <i>Christian Lohmaier</i>	<b>Handling PR Announcements</b> <i>Italo Vignoli</i>
10:30		<b>Document Liberation Project : Trying to Break the Vendor Lock</b> <i>Fridrich Strba, David Tardon</i>	
11:00	<b>Easy Hacks to Improve OOXML Writer Interoperability</b> <i>Sushil Shinde</i>	<b>LibreOffice Website Infrastructure</b> <i>Christian Lohmaier</i>	<b>What Is a Smart Way to Prepare Trainings for LibreOffice in a Migration Situation ?</b> <i>Cor Nouws</i>
11:30			<b>Dealing with Journalists</b> <i>Italo Vignoli</i>
<b>Lunch 12:00 - 13:00</b>			
13:00	<b>Overview and Status of LibreOffice Accessibility</b> <i>Jacobo Aragunde</i>	<b>Measuring LibreOffice Interoperability</b> <i>Dushyant Bhalgami</i>	
13:30	<b>How to Create a Custom Widget</b> <i>Jan Holesovsky</i>		
14:00	<b>Coverity and LibreOffice, Current Status</b> <i>Caolán McNamara</i>		<b>Shouting from the Rooftops: How can we be more effective at LibreOffice Community Outreach?</b> <i>Robinson Tryon</i>
14:30	<b>Automated Testing for LibreOffice</b> <i>Markus Mohrhard, Bjoern Michaelsen</i>		
15:00	<b>Lightning Talks 2</b> <i>Various</i>	<b>What is tinderbox? / Setting up a Tinderbox</b> <i>Christian Lohmaier</i>	
15:30	<b>Break</b>		
16:00	<b>The Big Draw on LibreLogo.org</b> <i>László Németh</i>		
16:30	<b>Compiler and Me: How to team up with modern compiler technology to keep the LibreOffice code base under control</b> <i>Stephan Bergman</i>		
17:00	<b>3D Charts and New Development in Charts</b> <i>Markus Mohrhard</i>		
17:30	<b>Accelerated, Threaded XML Parsing</b> <i>Matus Kukan, Michael Meeks</i>		
18:00	<b>Closing session, TDF Board</b>		

# City Map

**u<sup>b</sup>**

**b**  
**UNIVERSITÄT**  
**BERN**

**Stadtplan**

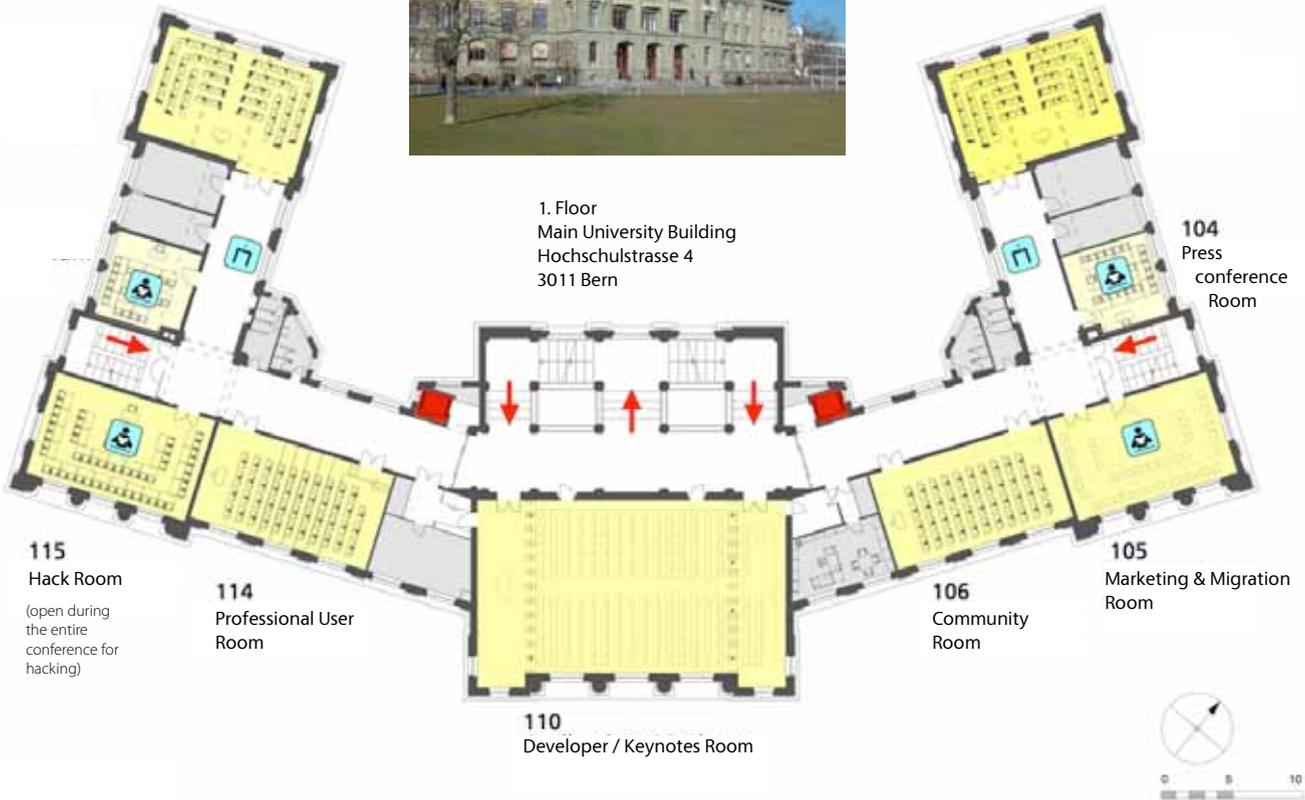


- ① Main building University of Bern:** Main conference Location
- ② UniS (Schanzeneckstrasse 1):** Hack night on Wednesday, 3 September 2014 from 18h00 till open end
- ③ ISC Club Bern (Neubrücke 10):** Social Event on Thursday, 4 September 2014 from 18h00 till open end

# Main Conference Location



1. Floor  
Main University Building  
Hochschulstrasse 4  
3011 Bern



Developer / Keynotes Room 110



Community Room 106



Professional User Room 114



Marketing & Migration Room 105

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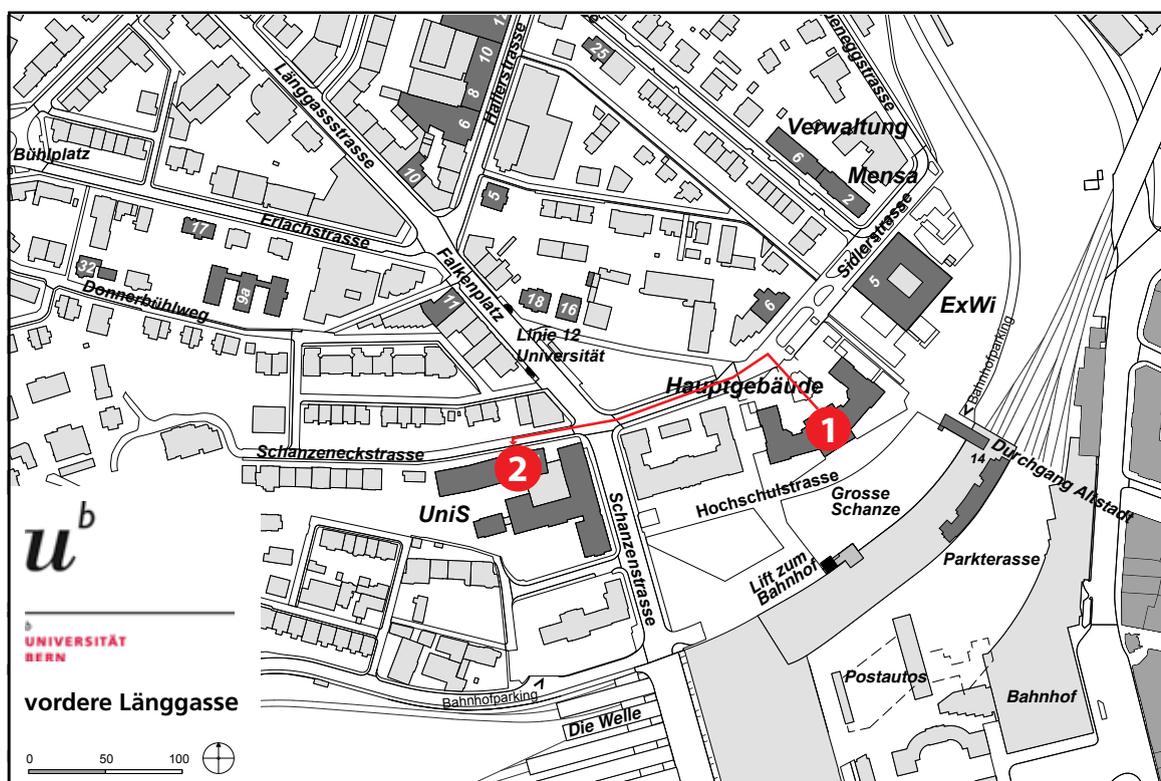
## Hack night

**Place:** UniS, Schanzeneckstrasse 1, 3011 Bern

**Date:** Wednesday, September 3rd 2014, 18h00 to open end, catering will start around 18h00

The hack night is intended to let you work together - for (almost) as long as you wish! To make your stay fun and productive, we'll make sure that you'll have everything you need:

- Food (catering, including vegan/vegetarian, as well as snacks/sweets)
- Network (Wireless) and power (Swiss sockets, bring your own adapter, see details on the conference page)
- Chillout corner



## ENTERPRISE HARDENED

Builds for Windows, Linux and OS X. Ready for implementations of tens-of-thousands, with MSP patch files and Group Policy Management.

Easy deployment - works together with Microsoft SMS Server, Novell ZENWorks, IBM Tivoli, etc.



## LONG - TERM - SUPPORT

Collabora provide patch support for a minimum of 3 years from a client installation (more if contracted).

We commit to standard Service Level Agreements on our annual code support contracts to de-risk an organisation's deployment.

Enterprise LibreOffice-from-Collabora provides the secure support, that big business and Public Administration require, via local expert Partners.

## BESPOKE DEVELOPMENT

Collabora can provide bespoke code level consultancy and development work for any implementation of LibreOffice.

Specific application features, file format support, performance enhancements, integration with other software, interoperability, etc. Anything is possible.

## TEAM CONTRIBUTION

Our team members are all LibreOffice Certified Developers. All Collabora developments, patches and fixes are contributed back to the up-stream LibreOffice code base.

We contribute resources to The Document Foundation Board of Directors, Engineering Steering Committee and Advisory Board.



**Place:** ISC Club Bern ([www.isc-club.ch](http://www.isc-club.ch)) (5min walking from the university)

**Date:** Thursday, September 4th 2014, 18h00 to open end

After discussing technical details about the code base, planning further steps regarding the marketing efforts or fighting bugs we invite you to drink a beer, grab some food and have some fun at the ISC club.

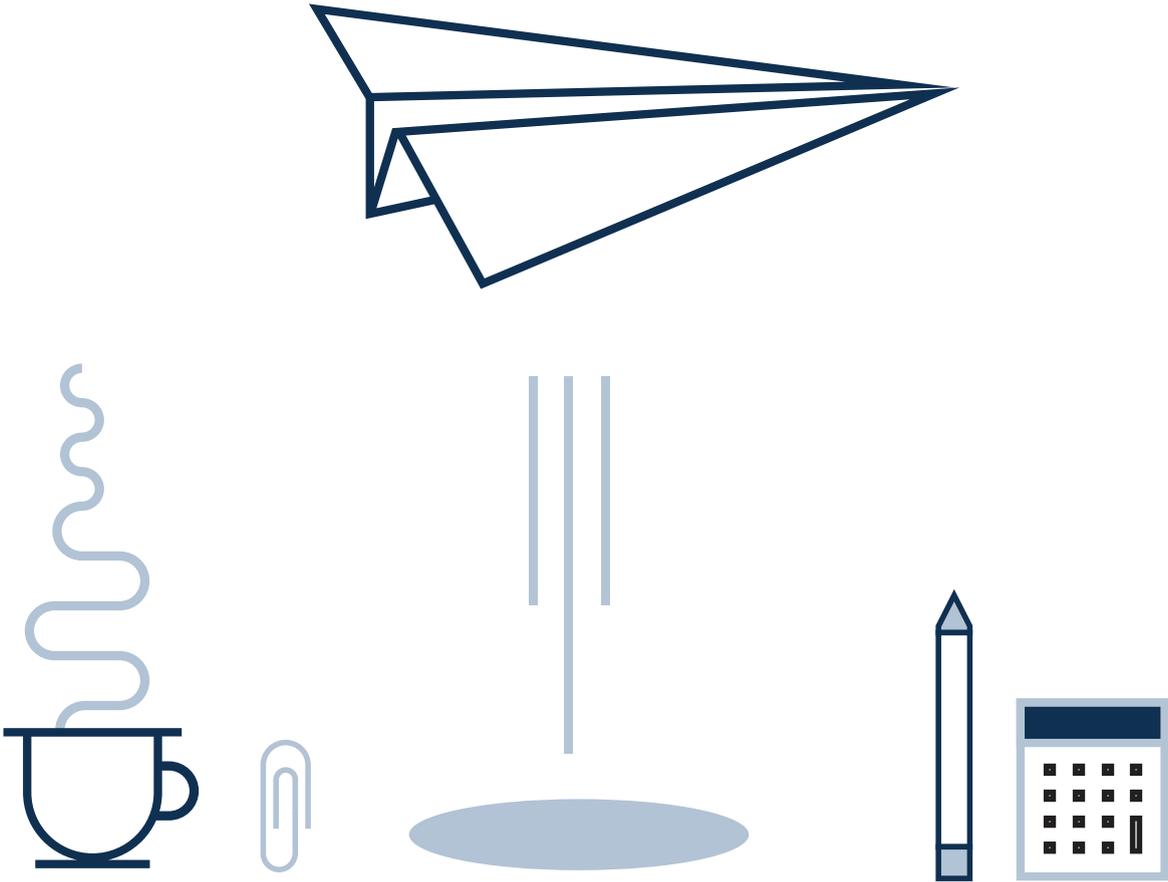
We'll also invite some of our friends from the local linux user group and other opensource enthusiasts, but otherwise the club is ours! :D

You'll get coupons for some free drinks and we'll have a great buffet with food for all of you. The bar has free Wifi but it's probably best to leave the notebooks «at home» and just have some fun together.

Please don't forget that the KSP (key signing party) is right next to the location where the bar is located – so if you want to strengthen your web of trust, this would be the ideal occasion. You can find further infos about the KSP in this booklet as well as on the conference webpage.



# OVER 80 MILLION DOCS ARE UP AND MOBILE



Now is the time to empower people to create and share docs from mobile devices using gesture-first design.

Now is the time to reimagine the document.



## PGP Keysigning Party

**Place:** Room 003, Uni Engehalde, Engehaldenstrasse 8, 3011 Bern

**Date:** Thursday, September 4th 2014, 17h00-18h00

The LibreOffice 2014 Conference keysigning party is a great way for people to meet other cryptography enthusiasts, verify their identities, and sign their public keys. This expands and strengthens the Web of Trust and promotes the use of strong cryptography. In addition to the PGP keysigning party, several CAcert.org assurers will be available to make identity assurances.

We use a slightly modified version of the Zimmermann-Sassaman key-signing protocol relying on a key submission server rather than email to collect keys so if you plan to attend please be sure to submit your public key(s) to the conference keyserver before Saturday, 30 August 2014 at 23:59:59 CEST (UTC +0200) so it can be added to the official list of keys. The final list and its hashes will be published shortly after the submission deadline. Each participant will need to download the list and check its validity using the hashes, print out the list and make sure that their own key is correct.

Participants should bring a printed copy of the key list, at least two forms of government-issued photo ID, and a pen. Those wishing to have their identity verified by CAcert assurers should bring 10 pre-filled copies of the CAcert WoT Form. It is not necessary or recommended to bring a computer to the event.

Details are available online at <https://conference.libreoffice.org/2014/ksp-keysigning-party/>





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**Platinum Sponsor**

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Google™

Google is a proud user and supporter of open source software and development methodologies. Google contributes back to the Open Source community in many ways, including more than 35 million lines of source code, project hosting on Google Code, projects for students including Google Summer of Code and the Google Code-in Contest, and support for a wide variety of projects, LUGS, and events around the world.

[www.Google.com](http://www.Google.com)

**Bern is a small but beautiful city. To make it easy for you to enjoy your stay, we've compiled a handful of tips for you.**

### Public transport

Bern has a great public transportation network, provided free of charge for visitors staying at least one night in tourist accommodation in the city of Bern. You should ask your hotel for a complimentary ticket that lets you travel for free on public transport in zones 100/101.

### Emergency numbers

- 117** Police
- 118** Fire
- 144** Paramedic, ambulance
- 1414** Rega, air rescue service
- 145** Poison information
- 143** Pastoral care, Helping Hand

### Currency

While Switzerland is not part of the European Union and thus is not obliged to convert to the Euro, many prices are nonetheless indicated in Euros so that visitors may compare prices. Merchants may accept euros but are not obliged to do so. Change given back to the client will most likely be in Swiss francs.

#### Approximate exchange rates:

1CHF = 0.84 Euro = 1.10 USD

### Language

Switzerland has four national languages: French, German, Italian and Romansh. English, though not an official language, is known and spoken by almost anybody.

### Electricity

Current throughout Switzerland is supplied at 230 volts. Type C (euro plug, two-pin) plugs and type J (three-pin) plugs are used.

### Bars

The following bars are located close to the university and are recommended:

**Pickwick Irish bar**, Wallgasse, (5min walk)

**Pangäa**, Schwangengasse 8, (5min walk)

**Beaulieu**, Erlachstrasse 3, (5min walk)

**Desperado**, Bubenbergplatz 5a, (7min walk)

### Tipping

While you don't need to give a tip, it's customary to round up the price a little bit (5% is fine, 10% is generous).

### Tourist Information at the main train station

If you need to know anything more, try to find a map or the location of any other interesting thing it's best to go straight to the office of Bern Tourist Information where a great team is waiting to assist you.

#### Opening hours

Monday - Saturday	09h00 - 19h00
Sunday	09h00 - 18h00



### Open Source Office Lösungen bei Behörden und Unternehmen

Im Rahmen der internationalen LibreOffice-Konferenz findet am Mittwoch, 3. September 2014 an der Universität Bern der Professional User Track zum Einsatz von Open Source Office Lösungen bei Behörden und Unternehmen statt. Erfahrene Fachexperten aus der Schweiz, Deutschland und Österreich geben Einblick in die unterschiedlichen Anwendungsfelder von LibreOffice und OpenOffice und zeigen praxisrelevante Lösungsansätze auf.

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#### 10 Jahre Open Source Office-Einsatz am höchsten Gericht der Schweiz

**Daniel Brunner**, Leiter Informatikdienst am Schweizerischen Bundesgericht



**Im Jahre 2001/2002 migriert das höchste Gericht der Schweiz auf OpenOffice. Nach einer kurzen Übersicht der Open Source IT-Strategie des Bundesgerichts erklärt Daniel Brunner in seinem Referat wie es zur Wahl der Office-Suite kam, was bei einer Migration zur quelloffenen Bürokommunikations-Software zu berücksichtigen ist, welche Erfahrungen er in den mehr als 10 Jahren Einsatz gemacht hat und wie er die Trennung zwischen LibreOffice und OpenOffice betrachtet.**

**Daniel Brunner** ist IT-Leiter und technischer Leiter Software-Entwicklung am Schweizerischen Bundesgericht. Er hat zahlreiche strategische Informatik-Projekte geleitet, ist Open Source Software Spezialist und hat Erfahrung in der Entwicklung und Durchführung von IT-Strategien. Daniel Brunner hat an der Eidgenössischen Technische Hochschule Lausanne studiert und hat Weiterbildungen in Database Technologien und Software Programmierungs-Technologien absolviert.

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#### Einsatz von LibreOffice bei der Landeshauptstadt München

**Dr. Jutta Kreyss**, IT-Architektin bei der Landeshauptstadt München



**Der Vortrag behandelt folgende Fragen: Warum setzt die Landeshauptstadt München LibreOffice ein? Wie kam es zu dieser Entscheidung? Welche Anforderungen gibt es im allgemeinen in München an ein Office Produkt über die Fülle der Fachverfahren hinweg? Welche Probleme gibt es bei der Einführung, Nutzung und Anpassung von LibreOffice und wie geht die Stadt München damit um? Welche Rolle spielt dabei die Zusammenarbeit mit der Open Source Business Alliance?**

Seit 2011 ist **Dr. Jutta Kreyss** IT-Architektin des IT-Dienstleisters der Stadt München (it@M) und verantwortlich für die Arbeitsplätze bei der LHM – hierbei speziell für LiMux. Als IT-Architektin liegt ihr besonderes Anliegen auf der Weiterentwicklung des LiMux Clients, seiner Anreicherung mit neuen Services, der dazugehörigen Softwareverteilung, der Integration des Clients in die bestehende und in die kommende Infrastruktur und dass it@M aus dem Clientteam heraus ein aktives Mitglied der Open Source Community ist.

## Individualisierung von Vertragswerken mit LibreOffice und Java

Dr. Thomas Serries, DV-Architekt bei der LVM Versicherung in Münster



**Die LVM Versicherung betreibt eine sehr hoch integrierte IT-Landschaft. Die Aufwände und Kosten für diese hohe Integration rechnen sich nur bei entsprechend häufigen Vorgängen. Für Vorgänge, die seltener anfallen, muss die LVM kostengünstigere Lösungen schaffen. So hat die LVM Versicherung eine Lösung für die Vertragsgestaltung mit neuen Agenturen basierend auf LibreOffice, OTF und Java geschaffen. Basierend auf von der Fachabteilung mit LibreOffice gepflegten Vorlagen können die neuen Verträge zusammengestellt und mit den individuellen Daten angereichert werden. Das resultierende Dokument wird mit LibreOffice weiterverarbeitet.**

**Dr. Thomas Serries** ist seit 2004 Mitarbeiter der Abteilung DV-Infrastruktur der LVM Versicherung in Münster. Seine Aufgabenschwerpunkte sind die Konzeption der Konzernarbeitsplätze, die Konzeption und Implementierung der Systemsmanagement-Lösung sowie die Mitarbeit im Produktmanagement und bei der Neugestaltung von IT-internen Prozessen. Er studierte Wirtschafts-Informatik mit den Schwerpunkten Betriebswirtschaftslehre und Praktische Informatik. Anschließend promovierte er als Mitarbeiter am Lehrstuhl für Wirtschaftsinformatik und Informationsmanagement an der Westfälischen Wilhelms-Universität Münster.

## LibreOffice und Open Source-Literaturverwaltung im akademischen Betrieb

Gerhard Bissels, wiss. Leiter Fachbereichsbibliothek Bühlpfatz und Fachreferent Medizin, Universitätsbibliothek Bern

Michael Helfer, Fachreferent Naturwissenschaften, Universitätsbibliothek Bern



**Die beiden Referenten dieses Vortrags setzen seit Jahren LibreOffice und das OSS-Literaturverwaltungsprogramm Zotero in ihren Informationskompetenz-Schulungen für Studierende ein. Der Vortrag soll zeigen, wie diese Programme proprietäre Produkte (wie Microsoft Office, Endnote) ersetzen können, aber auch, welcher Entwicklungsbedarf bei LibreOffice, bei Zotero und bei deren wechselseitiger Integration besteht.**

**Gerhard Bissels:** Studium der Klassischen Philologie in Trier, Freiburg, Heidelberg und Kiel (Staatsexamen), Modern Greek Studies an King's College London (M.A.), Library and Information Science an University College London (M.A.). Sekundarschullehrer für Deutsch in London, danach wissenschaftlicher Bibliothekar (University College London und UCL Hospitals). 2007 erste Implementation des OSS-Bibliothekssystems Koha in Grossbritannien. 2011-12 Consultant für OSS-Bibliotheksoftware. Seit Nov. 2012 an der UB Bern.



**Michael Helfer:** Studium der Geologie in Fribourg, Forschungstätigkeit und Assistenz an der ETH-Zürich, Universität Bern und am Naturhistorisches Museum Bern. Datenbankspezialist an der FAM Liebfeld, wissenschaftlicher Bibliothekar an der Nationalbibliothek und im Dokumentationsdienst der Parlamentsdienste im Bundeshaus in Bern. 2007 Abschluss des Certificat de formation continue en gestion de documentation et de bibliothèque, Universität Fribourg mit BBS. Seit 2009 an der UB Bern.

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## OpenOffice.org in der österreichischen Justiz - Einsatzgebiete und Erfahrungen

Benjamin Sponring und Wolfgang Schlapschy, Bundesrechenzentrum GmbH Österreich



**Die österreichische Justiz setzt OpenOffice.org auf ca. 12'000 Arbeitsplätzen ein. Die Vortragenden geben zu Beginn einen kurzen historischen Abriss und erörtern vergangene sowie zukünftige Herausforderungen und Ziele. Besonders wird auf die vielfältigen Einsatzmöglichkeiten von OpenOffice eingegangen, wobei der Fokus auf der Entwicklung von Extensions sowie einem eigens entwickelten Vorlagenservice liegt.**

**Benjamin Sponring**, MSc entwickelt bei der Bundesrechenzentrum GmbH Software für die österreichische Justiz. Seine Schwerpunkte sind Web-Entwicklung und OpenOffice-Erweiterungen. Im Zuge seiner Masterarbeit beschäftigte er sich eingehend mit der Entwicklung von Java Extensions für OpenOffice, woraus das JExO-Framework entstand.



**DI Wolfgang Schlapschy** arbeitet bei der Bundesrechenzentrum GmbH. Als Projektleiter und Produktarchitekt betreut er verschiedene Anwendungen für die österreichische Justiz, unter anderem auch im Bereich OpenOffice.

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## Office suite usage in the canton of Geneva within education environnement

Cyril Roiron, Chef de projet «Standards Ouverts et Logiciels Libres» education department of Canton of Geneva



**Since a long time ago, the education department of the canton of Geneva (Département de l'instruction publique, de la culture et du sport) uses free and libre softwares. Amongst them, the office suite is heavily used by teachers and students. This presentation focus on the various uses in this context.**

**Cyril Roiron** started working initially within eLearning field and is now responsible for the Canton of Geneva to promote open standards and free software use amongst users: teachers and students.

## LibreOffice vs. Apache OpenOffice

### – technische, organisatorische und rechtliche Unterschiede

**Dr. Wolfgang Straub**, Partner bei Deutsch Wyss & Partner

**Dr. Matthias Stürmer**, Leiter Forschungsstelle Digitale Nachhaltigkeit und Vorstandsmitglied /ch/open

Es wird aufgezeigt, welche organisatorischen und lizenztechnischen Gründe zur Aufspaltung von OpenOffice.org in die zwei Open Source Projekte Apache OpenOffice und LibreOffice geführt haben. Ausserdem werden die Lizenzmodelle und die Community-Strukturen von LibreOffice und Apache OpenOffice dargestellt und aus Sicht der Entwickler und der Anwender miteinander verglichen. Im Rahmen einer Fragenrunde können offene Punkte zusammen mit den anwesenden Community - Mitgliedern diskutiert werden.



**Dr. Wolfgang Straub**, LL.M., ist Partner bei Deutsch Wyss & Partner in Bern. Er hat sich in zahlreichen Publikationen vertieft mit Fragen des IT-Rechts und des Softwareschutzes auseinandergesetzt. Als Anwalt berät er vor allem öffentliche und private Auftraggeber bei der Beschaffung von IT-Systemen und IT Services. Wolfgang Straub hat an den Universitäten Bern, Basel, Lausanne und Genf studiert. Er hat als Lehrbeauftragter an der Universität Fribourg und an der Hochschule für Wirtschaft in Luzern unterrichtet und an zahlreichen Veranstaltungen zu Themen des IT-Rechts und des öffentlichen Vergaberechts mitgewirkt.



**Dr. Matthias Stürmer** ist Leiter der Forschungsstelle Digitale Nachhaltigkeit am Institut für Wirtschaftsinformatik der Universität Bern. Zuvor arbeitete er bis 2013 als Manager bei EY (Ernst & Young) sowie als Projektleiter bei der Liip AG. Bis 2009 doktorierte er an der ETH Zürich am Lehrstuhl für Strategisches Management und Innovation und erforschte die Zusammenarbeit zwischen Open Source Communities und Technologie-Unternehmen. Matthias Stürmer ist seit 2006 Vorstandsmitglied der Swiss Open Systems User Group /ch/open, und Leiter der Working Group Office Interoperability bei der Open Source Business Alliance.

## Diskussionsrunde: Open Source Büroautomatisation in der Schweiz

Es ist kein Geheimnis: Die Nutzung von Open Source Office-Lösungen wie LibreOffice oder Apache OpenOffice wird heute in der Schweiz nur an wenigen Stellen praktiziert. Währenddem in Ländern wie England oder Frankreich die höchste Verwerfungsebene über das Open Document Format als Standard entscheidet und den weitreichenden Einsatz von Open Source Office Suites beschliesst, verwenden die Behörden und Bildungseinrichtungen in der Schweiz vorwiegend Microsoft Office. Warum ist das so und wie könnte die Situation verändert werden? Diesen und weiteren Fragen geht die Podiumsdiskussion nach.

### Teilnehmende:

- **Erich Hofer**, Vorsitzender der SIK-Arbeitsgruppe OSS und IT-Leiter beim Kanton Bern
- **Markus Willi**, wissenschaftlicher Mitarbeiter bei www.educa.ch
- **Dr. Jutta Kreys**, IT-Architektin Stadt München
- **Nicolas Christener**, Bereichsleiter Operations bei der Adfinis SyGroup AG
- **Martin Seifert**, Geschäftsführer von Officeatwork

Moderation: Marcel Hauri, Redaktionsleiter / Web-Director bei IDG Communications AG (Computerworld, PCtipp)

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## Conference Talks

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### Inconsistencies Fixed in Writer [Development]

**Miklos Vajna**

LibreOffice Writer has a huge amount of features, and sometimes one feature is inconsistent with another one, or the way a similar feature is implemented in another application, e.g. in Calc or Impress. The talk will mention how table selection got improved, how the UI now allows you to reject a spelling error, how Writer can now create .dot files and similar improvements. Come and see where we are, what still needs to be done, and how you can help.

*Wednesday from: 13:30 ~ to 14:00*

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### Life after Calc Core Change [Development]

**Kohei Yoshida**, Software engineer at Collabora

4.2 releases were perhaps most memorable in my whole LibreOffice history. I will discuss how that experience went; what I expected, and what actually happened, what were the pitfalls and how they should be handled in the future, and how all of that experience will affect the future maintenance of this code base going forward.

*Wednesday from: 14:30 ~ to 15:00*

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### Squashing the Beast into 60 MB Cage [Development]

**Tor Lillqvist**, Software engineer at Collabora

If you read the instructions for submitting apps to the iOS App Store very carefully, you will find it mentioned that the executable in an app must be less than 60 MB in size. (The size limit of other files included in the app is so high, if there even is one, that it is not likely to be a problem. But note that all executable code must be in the single executable. No dynamic libraries are allowed.) This restriction is very easy to miss. It poses a problem for meaningful apps that use LibreOffice code to load, display, and perhaps modify and save documents. Not because such an app would necessarily actually invoke anything close to even 50 MB of code from LibreOffice, but because of the large amounts of code and data that gets linked in anyway. This talk describes some of the more or less extreme measures introduced when that restriction was noticed, in order to get below the limit.

*Wednesday from: 16:00 ~ to 16:30*

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### Unittest and CI Roundtable [Development]

**Bjoern Michaelsen, Markus Mohrhard**, Software Engineer, Collabora

Roundtable on unittests, continuous integration and test-driven development. What tools do we have right now (testsuites, tinderboxes, code analysis, Gerrit, etc.), which tools do we need? How do we foster a culture of tests on this legacy codebase? This session invites all contributors to brainstorm on these questions.

*Wednesday from: 16:30 ~ to 17:30*

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## 3D Models in Impress [Development]

**Tamas Zolnai**

An overview of the new 3D model support in Impress. LibreOffice uses more and more OpenGL solution behind the user interface, but now it appears for the users in a direct way. With the new 3D model support we can display any 3D scene in our slideshow. In this talk I will demonstrate how these models look like on the slides and on what ways can we play with them during our presentation.

*Wednesday from: 17:30 ~ to 18:00*

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## LibreOffice Building Tips and Tricks [Development]

**Lubos Lunak**

LibreOffice is a large codebase and building it takes a lot of build time and disk space. This talk will present some tools and ways that can help reduce them (ccache, icecream, split debug info and others).

*Thursday from: 09:00 ~ to 09:30*

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## Getting into the Code for Beginners [Development]

**Michael Meeks**

Beginners often find it hard to get into the codebase and work out where pieces of code are, and/or where they should be. I'll present a graph of the internal modules' dependencies and try to explain some of the basic building blocks the code is constructed from. Come and find out how the pieces of LibreOffice go together, and help me puzzle out some of the more obscure and mystical module names.

*Thursday from: 09:30 ~ to 10:00*

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## drawinglayer : What Should You Know about It [Development]

**Jan Holesovsky**

I am not the author of drawinglayer - and it appals me how on one hand the drawinglayer became a core technology of LibreOffice, and on the other, how little information about it is available, understandable, and shared inside our community. This talk will summarize my experience with drawinglayer, and will attempt to break down the drawinglayer complexities into smaller pieces that can be useful for every LibreOffice developer.

*Thursday from: 10:00 ~ to 10:30*

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## Techniques Used for Testing of HTML, SVG, WMF/EMF Formats [Development]

**Tomaz Vajngerl**, Software engineer

In LibreOffice we extensively test ODF and OOXML formats (import, export and round-trip). Other formats, especially common vector graphic formats, aren't tested as much as they could be. We need to improve that.

*Thursday from: 10:30 ~ to 11:00*

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## A Threading Snarl [Development]

**Michael Stahl**, Software Engineer at Red Hat, Inc.

As anybody who uses remote UNO connections is aware, the legacy code-base of LibreOffice is riddled with subtle concurrency bugs. This talk is an airing of grievances and investigation into the nature of the problem, with the aim of providing an estimate as to how doomed we are, exactly.

*Thursday from: 11:00 ~ to 11:30*

## Writing Import Filters for LibreOffice [Development]

**Fridrich Strba, David Tardon**

LibreOffice is known as a Swiss Army knife of file formats. This is mainly due to the impressive number of import filters integrated since the project was born. This hands-on will give a quick overview about different frameworks that can be used by import filters within LibreOffice. It will also guide the audience through an implementation of a dummy file-format importer using the libvenge framework. The result of this workshop will be a skeleton library that can be used to write an import filter for your preferred file-format.

*Thursday from: 11:30 ~ to 12:00*



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## OOXML DOCX Interoperability Status [Development]

**Adam Fyne**, Interoperability Team leader, CloudOn, Member of the Board of Directors, The Document Foundation

When working together on documents, users tend to choose to work with the same tool that their colleagues use so as to be compatible and avoid format conversion. This helps traditional leading office tools like Microsoft Office to create stickiness and attract all the users to their dominating file format. To disrupt this cycle it is not enough to allow importing of formats like OOXML into LibreOffice. Only by making LibreOffice truly compatible with Microsoft Office OOXML format, will we allow users to work with LibreOffice without having to be concerned about the office tools chose by their colleagues. In the past year, CloudOn has invested tremendous resources to improve the way LibreOffice imports and export DOCX documents. In this talk we are going to discuss the work that CloudOn, alongside Collabora, Igalia & Synerzip have put into LibreOffice Writer in the past year to support OOXML better, different mechanisms which have been introduced into Writer to allow for better preservation of objects & methods to test thousands of files. In addition, a comparison which has been done between LibreOffice and GoogleDocs will be presented. Topics of Discussion:

- What is DOCX? What is Interoperability?
- 4 Layers of interoperability (Corrupt, Preserve, Render, Manipulate)
- DOCX Preservation
  - What is supported?
  - InteropGrabBag
- Interoperability Matrix - LibreOffice vs Google-Docs
- Statistics & Examples for Fixed Cases (September 2013 vs September 2014)
  - Corrupt
  - Crash
  - Preservation - Data Loss
  - Preservation - Style Loss
- Observations from CloudOn's iOS App BETA

*Thursday from: 13:00 ~ to 14:00*

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## Thoughts on Future Core Design BOF [Development]

**Michael Meeks**

A BOF session, where developers can get together to chew over the next big opportunities for improvement in the code-base, and catch up with status on existing re-factorings. Several areas of work will be highlighted, from re-using LibreOffice code, to threading and rendering infrastructure, VCL widget lifecycle and more.

*Thursday from: 14:00 ~ to 15:00*

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## LibreOffice on Android [Development]

**Tomaž Vajngerl, Tor Lillqvist**

Handling a mobile application is quite different from a user's perspective than a desktop application. LibreOffice being a desktop application did not have the infrastructure not the user experience that is expected from a mobile application. This talk presents the making of LibreOffice on Android which is an attempt of a LibreOffice mobile application. In the first part of the talk we will present the lower-level work: adapting LibreOffice to Android platform and interfacing with an Android Java application. The second part is about the higher-level work: creating «LibreOffice on Android» application based on Mozilla Fennec code.

*Thursday from: 15:00 ~ to 15:30*

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## OpenGL in LibreOffice [Development]

**Markus Mohrhard**

In this talk we will discuss how to use OpenGL in Libreoffice. Historically OpenGL was a build requirement that made it difficult to distribute features based on OpenGL. With some of the new development and support for OpenGL in vcl it is easier than ever. The talk will detail how to use OpenGL and how to use the modern OpenGL support based on shaders and OpenGL 2.0+.

*Thursday from: 16:00 ~ to 16:30*

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## Mail Merge Internals [Development]

**Eilidh McAdam**, Open Source Software Developer and Consultant

Mail merge is most often required by organisations such as government bodies and businesses. As a consequence, it hasn't had a lot of attention compared to issues faced by individual users. I'd like to talk about how it works in LibreOffice, the problems faced by users and recent improvements made to the feature.

*Thursday from: 17:30 ~ to 18:00*

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## It's Magic. It's Mobile. [Development]

**Shachar Binyamin**, Product Manager, CloudOn

For CloudOn, this is the story of the ultimate document creation experience for mobile. You know that annoying problem of not being able to use your fingers to manipulate and create rich content in documents? You know that frustration you feel when you have extremely limited space to read and review documents on tablets and phones? You know the problem of accessing, editing and sharing documents on mobile? Well, we feel the pain from these problems as do our users. We took on the challenge of solving these problems and we believe we have created a tool that is magic, fast and fun. Shachar will talk about how CloudOn defined, designed and developed a successful application that users care about on the LibreOffice core. Topics that Shachar will cover:

- Difficulty of building the toolbar
- Creating beautiful styles
- Using gestures for easier input and productivity
- Determining how to build a minimal rich experience that meets our user needs
- Transitioning from Microsoft Office as the basis of the CloudOn app to the LibreOffice core

*Friday from: 09:00 ~ to 10:00*

# LibreOffice Architecture for iOS Document Editor [Development]

**Ptyl Dragon**

The talk would discuss CloudOn's effort over the last year, to use libreoffice, so to power a full touch office experience for mobile devices. Talk would focus on writer and iOS, with respect to the following:

- In document navigation - tiled rendering - adaptation of the desktop canvas and behavior, so to be compatible with native touch technologies (e.g CATiledLayer), allowing easy leveraging of the device's GPU, resulting with a seamless integration of LibreOffice into native look and feel
- Rendering performance - integration of Apple's native rendering libraries, core graphics and core text, into VCL's rendering mechanism, while minimizing rendered areas to «dirty» rects only
- Document selection - tunneling the rects of the selection overlay, so to be rendered using device's native frameworks (again, leveraging the GPU, while still using relatively high level API), providing the fast response and slickness users expect from touch applications.
- Editing functionality - adapting the APIs provided by LibreOffice desktop (e.g. UNO, and the SW module), so to be usable with the touch adapted document selection mechanism.
- Threading - Decoupling the iOS views from the LibreOffice DOM, while combining native iOS dispatch queues, LibreOffice's event loop and mutexes, so to ensure consistency between rendering and editing functionality, without sacrificing the smoothness of touch experience (e.g. auto saving)
- Conforming to apple's 60 MB binary size restriction (mandatory for app store approval), by externalizing data out of the code, and into loaded data resources, removing LibreOffice libraries unnecessary for the iOS app, trimming linkage of factories and factory branches, compilation flags, reducing the usage of templates (e.g STL and boost containers), etc
- Touch device memory restrictions - integrating a node count limit, and free memory limit to the XStatusIndicator mechanism, allowing to abort opening documents, preventing memory outages and crashes
- Daily build combined with high level iOS unit testing - ensuring product stability, ability to safely add new features, and robustness while still merging with code from the master branch, rather than official stable LibreOffice releases, allowing an agile development process.

*Friday from: 10:00 ~ to 11:00*

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## Easy Hacks to Improve Writer - OOXML Interoperability [Development]

**Sushil Shinde**, Sr. Software Engineer, Synerzip Softech Pvt Ltd

OOXML is a widely used file format. Many people, organizations, schools etc. use OOXML file formats. Currently Libreoffice can read/edit/save OOXML file formats. But there are many open bugs for writer OOXML interoperability. Many features are either not supported or not handled properly. We can fix them by studying XML values from docx files. Currently many files gets crashed while opening on LO and if LO opens them properly then it corrupts some files while saving. I will cover some best practices to improve interoperability. I will also showcase improvements in features which are widely used. Topics will be covered in presentation. 1. Interoperability improvements in widely used features. 2. XML comparisons to find root cause and fix issues. 3. Simple code hacks. 4. Crash and corruptions due to libreoffice code. 5. Patterns of crash and corruption. 6. Some best available tools for finding root cause.

*Friday from: 11:00 ~ to 12:00*

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## Overview and Status of LibreOffice Accessibility [Development]

**Jacobo Aragunde**, Software Engineer, Igalia

The purpose of this presentation is to provide participants with a basic understanding of LibreOffice accessibility. It will begin with a brief introduction to accessibility support, including the challenges assistive technologies are meant to address and how they are able to do so through the implementation of accessibility APIs. With this background having been established, the remainder of the session will be spent examining the specific case of LibreOffice: which accessibility backends are implemented and how the architecture is designed to support multiple backends while maximizing code reuse, making the addition of new backends easier. The presentation will conclude with a discussion of the current health of LibreOffice accessibility supported by an analysis of bug trends and repository statistics.

*Friday from: 13:00 ~ to 13:30*

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## How to Create a Custom Widget [Development]

**Jan Holesovsky**

Our widget framework, VCL, provides LibreOffice with many widgets you can use in the dialogs, and other user interface elements, like buttons, list boxes, etc. But sometimes you need to create a custom widget – one that behaves & appears in a special way. This talk will describe the essentials of creating custom widgets, what methods to implement, and how to plug it into the dialogs and other user interface elements.

*Friday from: 13:30 ~ to 14:00*

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## Coverity and LibreOffice, Current Status [Development]

**Caolán McNamara**

We run the development version of LibreOffice through the static analysis coverity tooling on a regular basis. This lightning talk presents the current status, overall trends and common pitfalls on taking coverity warnings at face value.

*Friday from: 14:00 ~ to 14:30*

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## Automated Testing for LibreOffice [Development]

**Markus Mohrhard, Bjoern Michaelsen**

Testing is a central part of the development process. In this talk we will discuss the various techniques used in the Libreoffice code base and how to use them. All the concepts will be discussed with examples from the Libreoffice code base. Additionally we will discuss the benefits of a test driven development environment.

*Friday from: 14:30 ~ to 15:00*

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## The Big Draw on LibreLogo.org [Development]

**László Németh**, Software developer, LibreOffice consultant

LibreLogo.org is dedicated to the easy, Logo-like programming environment of LibreOffice for turtle vector graphics. The talk provides a brief glimpse into the motivations, results and future plans of developments of LibreLogo and LibreLogo.org, and it shows the best illustrations of the upcoming LibreLogo picture book. Link: <http://www.librelogo.org>

*Friday from: 16:00 ~ to 16:30*

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## Compiler and Me: How to team up with modern compiler technology to keep the LibreOffice code base under control [Development]

**Stephan Bergman**, Software Developer at Red Hat, Inc.

Modern C++ compilers like Clang and GCC are more and more becoming tool sets that can be individualized and adapted to the needs of a specific code base. Plugins find bugs in the usage of certain LibreOffice code idioms already during compilation, and help us guarantee some invariants about the code that in turn allow us to modify it with confidence. Runtime support to precisely detect various causes of undefined behavior is becoming ever cheaper and easier to use. Mix in evolving C++11 support, and we are on a good way to stay ahead of our ever-growing code base. This talk will give an overview of what is available in our tool box, and demonstrate how to leverage it effectively.

*Friday from: 16:30 ~ to 17:00*

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## 3D Charts and New Development in Charts [Development]

**Markus Mohrhard**

This talk discusses the development in the chart module in the last year with a special focus on 3D charts. Some of the new features like property mapping, time based charting and 3D scene support will be discussed.

*Friday from: 17:00 ~ to 17:30*

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## Accelerated, Threaded XML Parsing [Development]

**Matus Kukan, Michael Meeks**

Come hear how Matus Kukan and I significantly accelerated XML parsing using the XFastParser interface in LibreOffice; see the before and the after, hear about some of the other sillies in OOXML parsing, and hear about what is necessary to do in the ODF filters to make use of this.

*Friday from: 17:30 ~ to 18:00*

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## QA Roundtable [QA]

**Bjoern Michaelsen**

What we achieved, what we need to improve. Brainstorming and coordinating the next two releases: LibreOffice 4.4 and 4.5.

*Wednesday from: 13:00 ~ to 14:00*

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## Tools for QA [QA]

**Florian Reisinger**, Unaffiliated

This talk is about the tools for QA, SI-GUI for Windows, Bibi-GUI (at the moment in only) and some features for bugzilla and more. [If Rob agrees he might tell something about the future of BSA, maybe our new bugzilla --> «more» ;)]

*Wednesday from: 15:00 ~ to 15:30*

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## QA Mission Plan : Where we are Headed in 2015 [QA]

**Robinson Tryon**, QA Engineer, The Document Foundation, **Joel Madero**

Notorious legends of LibreOffice QA, Joel Madero and Robinson Tryon, will co-present this roundup of QA Team activities in 2014 and preview of future directions for the Team in 2015. By the start of the LibreOffice Conference, we hope to have our own instance of Bugzilla running on TDF hardware, active Bibisect repositories for all of our major platforms, and an improved approach to testing daily builds. If we haven't completed the entire list by September, we'll give a brief rundown of what's left and what hurdles we've faced along the way! During this talk we'll cover a raft of new ideas and proposals that we've tried or will be trying over the course of the coming year, including:

- Improvements to Bugzilla
- New QA tools, including a Bibisect GUI
- Suggestions for team recruitment
- Cross-project «Bug-bees»
- Involvement of QA in the newly-formed Document Liberation Project
- A recap of QA Team activity at the US Summer Hackfest

*Wednesday from: 16:00 ~ to 16:30*

## tb3, Tinderboxing and Testing [QA]

**Bjoern Michaelsen**

There is ongoing work in making our tinderboxes less archaic and more useful. This talk gives an overview of progress to far and a prospect on what is to come using our tinderboxes, gerrit and unittests. This is a follow up to: <http://conference.libreoffice.org/2013/en/program/devops/tb3-using-tinderboxes-efficiently>

*Thursday from: 10:30 ~ to 11:00*



Fast, free  
and incredibly  
easy to use

## Measuring LibreOffice Interoperability [QA]

**Dushyant Bhargami**, QA Architect, Synerzip Softech Pvt Ltd

Over past year many of the users, companies & government organizations have shifted towards the LibreOffice as LibreOffice has allowed the support for file formats like OOXML. But only this support is enough? No, we have to make LibreOffice truly compatible with Microsoft Office OOXML format. In past 8 months, Synerzip has invested tremendous resources to measure the improvements of LibreOffice interoperability, the way LibreOffice imports and exports DOCX documents. In this talk we are going to discuss the work that Synerzip has put to measure the improvements of LibreOffice interoperability. In addition, demo of existing automated scripts will be presented as well as next level of automated scripts to measure the LibreOffice interoperability one step further will be discussed. Topics of Discussion:

- Visual Comparison
- Results of Visual Comparison
- Visual Comparison Challenges
- Non-Visual Comparison
  - XML Level Comparison (FCT - Feature Comparison Tool)
  - Calc Comparison Engine
  - Impress Comparison Engine
- Non-Visual Comparison Challenges
- Demo of the existing automated test framework to measure the LibreOffice interoperability

*Friday from: 13:00 ~ to 14:00*

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## ODT and Word in Practice [ODF & Document Liberation]

**Alexander Mayer**

In an enterprise software project I've evaluated Microsoft Word as editor software for ODT files written with LibreOffice. The result of this evaluation is a validation software pointing to critical ODF elements in an ODT file. The user has the possibility to check a ODT file for compatibility with Word. Additionally, this software is doing some transformations on the ODT file. I've found out some in-depth details about the implementation of ODT export in Word. I would be glad to share the results with the audience at the conference.

*Thursday from: 09:30 ~ to 10:00*

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## Status of the Upcoming ODF 1.3 [ODF & Document Liberation]

**Svante Schubert**

I would like to provide a status on the upcoming ODF 1.3 and especially the change-tracking specification.

*Thursday from: 15:00 ~ to 15:30*

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## A programmable template driven document builder for ODF

**Christoph Lutz**, Software Engineer at CIB software GmbH

From serial letters and pre-addressed envelopes to complex reports adhering to a corporate id, companies need and demand what is generically called «merge». Merge applies data (from a structured information source) to (programmed) templates in order to create documents. How can we help create interoperable templates? What can we learn from OOXML ISO29500 (which provides fields just for text automation tasks)? What has CIB learned from processing billions of RTF documents? A new standards compliant approach is outlined that shifts the merging functionality outside of the Office package. The production of multiple (and potentially large numbers of) documents from programmable templates and structured input sources using the new approach will also be demonstrated.

*Thursday from: 15:00 ~ to 15:30*

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## Document Liberation Project : Trying to Break the Vendor Lock [ODF & Document Liberation]

**Fridrich Strba, David Tardon**

In April 2014, the second project of the Document Foundation was born: Document Liberation Project. The aim of the project is to free documents and their authors from the vendor lock operated by numerous software vendors. This talk will present the project, its philosophical basis, its mission and tools used to achieve the goal of breaking vendor lock. It will also show the successes already achieved and present the possibilities to get involved.

*Friday from: 10:30 ~ to 11:00*

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## The Infrastructure of the LibreOffice Project [Infrastructure]

**Alexander Werner**, Freelance Infrastructure Administrator, The Document Foundation, **Florian Effenberger**

Most free software projects happen in a virtual environment, and build on a joint cooperation of many contributors worldwide, breaking barriers of language, culture and time zones - something that would have been unthinkable with the technology available 20 years ago. Essential to the success of any such free software project is a reliable and scalable infrastructure that grows with the community and scales based on its needs. Being one of the largest free software projects worldwide, the LibreOffice community was challenged with providing a professional infrastructure from the very first day. Following our principles, nearly all components solely rely on free and open source software. We not only build on third party components, but also develop many of our infrastructure tools on our own, and make them available to the worldwide community, while at the same time contributing to projects we make use of. This talk gives an overview on the infrastructure of the LibreOffice project and how it provides the playground the community and the software need to grow and flourish.

*Thursday from: 10:00 ~ to 10:30*

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## Setting up Release-Baseline Build Environments [Infrastructure]

**Christian Lohmaier**

The talk will give a short introduction about what the baseline for the various operating systems are, and how to setup one with virtually no effort. The talk will be mostly done by playing back a screencast demoing the creation of a virtual machine followed by the installation of the build-environment with live commentary that can be speed-up/cut to ~any length.

*Friday from: 10:00 ~ to 10:30*

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## LibreOffice Website Infrastructure [Infrastructure]

**Christian Lohmaier**

On last year's conf I held a similar talk, but tried to squeeze in too much in short time, so it was kind of chaotic in the end and I think people couldn't follow.. So this time I would focus exclusively on the template-language and php-hooks, and ignore everything about the CMS-Backend/user-interface.

*Friday from: 11:00 ~ to 11:30*

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## What is tinderbox? / Setting up a Tinderbox [Infrastructure]

**Christian Lohmaier**

While setting up a tinderbox is not a difficult task, there are some conventions that should be followed when setting one up. The talk will cover a tinderbox-admin's duties, and present the various command frameworks that are available.

*Friday from: 15:00 ~ to 15:30*

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## Translation of LibreOffice Guides (in Two Languages in Parallel) [I10n]

**Miloš Šrámek**, Programmer and researcher in the area of medical image processing, **Stanislav Horáček**

Documentation has traditionally been a problem in the open source / free software world. This is fortunately not the case of LibreOffice which is equipped with a comprehensive help system and, moreover, six guides each comprising hundreds of pages. The guides were, of course, written in English. While there are many English speakers around, translating the guides to other languages may help more people and eventually bring in new LibreOffice users. We started with the translation of the Getting Started (GS) guide to Slovak more than a year ago. After translating a few chapters of the GS 3.5 guide simply by overwriting the English text with the Slovak one, the GS 4.0 guide was published. We realized that we were not able to reuse the old translations and started to think more earnestly about the translation process. Having considered several tools, we finally decided to switch to the CAT (computer aided translation) system OmegaT. It is free (GPL) software that supports the OpenDocument standard and collaborative translation based on a subversion/git repository. Later we joined forces with the Czech LibreOffice localization team, hoping that we can take advantage of the fact that Czech and Slovak are very similar languages by employing machine translation to speed up our work. In the presentation we will give an overview of our bilingual translation workflow and will address important issues, hurdles and how we overcame them. We hope to be able to bring with us the translated Guide in the hope that we will encourage other teams to reuse our know-how (and some scripts, too).

*Thursday from: 11:30 ~ to 12:00*

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## Overview of Localization Infrastructure of LibreOffice [I10n]

**Andras Timar**

This will be a short introduction to the localization infrastructure of LibreOffice, the setup of the source tree, where the tools are, what code fiddles .po files in what way, etc. I will also talk about the edge cases, such as Android and iOS, and about the challenges that localizers have been facing.

*Thursday from: 16:00 ~ to 16:30*

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## Update about Certification [Migration]

**Italo Vignoli**, Business Consultant

The talk is supposed to introduce the certification track, with an update about the certification project and an outlook for future developments.

*Wednesday from: 13:00 ~ to 13:30*

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## Profile of Training Professionals [Migration]

**Italo Vignoli**, Business Consultant

LibreOffice Certification is different from any commercial one. Because of this, it is important for candidates for trainings to understand what TDF expects from them.

*Wednesday from: 13:30 ~ to 14:00*

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## Profile of Migration Professionals [Migration]

**Italo Vignoli**, Business Consultant

LibreOffice Certification is different from any commercial one. Because of this, it is important for candidates for migrations to understand what TDF expects from them.

*Wednesday from: 14:00 ~ to 14:30*

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## LibreUmbria, an Update on the Green Migration [Migration]

**Alfredo Parisi**, Research fellow, University of Perugia

LibreUmbria is a project of Umbria Region, the green hearth of Italy, who has standardized on LibreOffice for the Public Administration. The project is signed by the Umbria Region, Consortium SIR Umbria (the association of local authorities for the Regional Information System), Perugia Local Health Authority (ASL1), the two Provinces of Perugia and Terni, and the School of Public Administration «Villa Umbra». LibreUmbria project started in October 2012. In May 2014 over 2000 users, on a total of 5000, have been involved. The community is growing and it is the point of reference for several migrations in Italy, when others municipalities and provinces chose LibreOffice. All the documents and learning materials are published into the blog ([www.libreumbria.it](http://www.libreumbria.it)). The project is also landed in some schools of Umbria (LibreUmbria@Scuola): educators and parents are trained about LibreOffice, Ubuntu and Open Source Software. LibreUmbria focus attention on how to simplify the phase of formation through an e-learning platform, using video, text and SCORM object. The beta platform is developed in Wordpress and Moodle; the first used for blog part (FAQ, news) and the second for the learning phase. A large number of members of LibreUmbria are TDF members, and founding members of Libretalia. Libretalia is the Italian community of LibreOffice, founded in Perugia on April 2014.

*Wednesday from: 14:30 ~ to 15:00*

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## Migrating from MS Office to LibreOffice : The Italian Public Administrations [Migration]

**Marina Latini**, LibreOffice division, Studio Storti Srl

Nowadays talk about Open Source in Public Administrations (PA) is no longer a taboo and Italy begins to have important laws about this: from 2005, with CAD (Digital Administration Code), the Italian Public Administrations are approaching to Free & Open Source Software. The last version of CAD require PA to compare proprietary software with open source, evaluating economical and technical differences. A PA must prefer the open solution to the closed one. Only in some (and quite evident) conditions can chose the proprietary solution.

The migration process needs to be clear, detailed and structured, like an algorithm. The customer need to be followed in every step of the migration process. Some key points observed during our experiences are the fundamental role of communication, the crucial role of training and the awareness that there aren't bad users but only worried users that don't want to subvert their jobs.

*Wednesday from: 15:00 ~ to 15:30*

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## LibreOffice Messaging [Migration]

**Italo Vignoli**, Business Consultant

Learn how to develop messages to promote LibreOffice in your geography. Targeted to native language projects.

*Wednesday from: 16:30 ~ to 17:00*

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## Just starting out: LibreOffice for Beginners [Migration]

**Robinson Tryon**, QA Engineer, The Document Foundation

New to using LibreOffice? New to the world of Free/Open Source Software? This beginner-oriented talk will give you a gentle introduction to LibreOffice and our favorite open file format, ODF. We'll cover some of the basics of the applications that make up the LibreOffice suite, tell you about our parent non-profit (The Document Foundation), and give you some background on how our Free Software project fits into a modern GNU/Linux system. Feel free to raise your hand and ask questions at any time! If you're thinking about bringing a non-technical friend to the conference, this talk is perfect for them.

*Thursday from: 11:30 ~ to 12:00*

# STUDIOSTORTI®

## SOLUZIONI OPEN SOURCE

### LibreOffice for Public Administrations

The requirements of spending review and statutes, such as article 68 of CAD (Digital Administration Code) and the Circular number 63 December 6, 2013 "Guidelines for the comparative assessment provided by art. 68 of Legislative Decree March 7, 2005, n. 82 CAD", requiring to choose open source solutions.

Studio Storti, the most referenced provider of Open Source solutions for the Government and Public Administration sector, with more than 300 Authorities served, is the main Zimbra Open Source Edition and ZeXtras Suite integrator in Italy. The sole Italian company within The Document Foundation's Advisory Board and active member of the LibreOffice community, provides migrations and trainings through a highly skilled staff according to The Document Foundation's guidelines.

In 2013, Storti Studio Srl starts a division that ensures the Authorities a professional and reliable process for migrating to LibreOffice. Formed by the most qualified personnel existing in Italy, with years of experience and thanks to agreements with the leading actors of the LibreOffice community, the division provides maximum support possible to meet every possible need in the levels of service offered: design, migration, training, deployment, support, helpdesk, bug fixing, custom builds.

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## LibreOffice Migrations of Office Suite Dependent Applications [Migration]

**László Németh**

The talk presents the most interesting parts of the OpenDocument and LibreOffice migration guide of the Hungarian Free Software Competence Center.

*Thursday from: 13:00 ~ to 13:30*

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## LibreOffice as the First Step in FOSS Migration : Case of UNESP migration [Migration]

**Valdir Barbosa, Douglas Vigliuzzi**

The UNESP - Univ Estadual Paulista is a public institution located in São Paulo-Brazil and is distributed in 24 cities and 34 schools and institutes, is the most successful model of a multi campus university and is focused on nearly every field of experimental and theoretical sciences. This scattering, difficult the standardization of procedures, job routines, documentation, etc. Unsuccessful, isolated initiatives of two units for the OpenOffice adoption, starting in 2003, Instituto de Artes São Paulo decided by replace of MS Office for LibreOffice/OpenOffice. In 2005, Campus Litoral Paulista decided to do the same. Finally, in 2007, Faculdade de Engenharia, UNESP - Univ Estadual Paulista, campus Ilha Solteira plans complete migration of Operational System of the desktops to GNU/Linux, but the first step is replace MS Office, Internet Explorer and Outlook by LibreOffice, Firefox and Thunderbird. Currently, LibreOffice is the use of ODF to storage and exchange of documents and free software migration is an institutional plan and is supported by university direction by official documentation.

*Thursday from: 13:30 ~ to 14:00*

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## Libreltalia [Migration]

**Sonia Montegiove**

Libreltalia, the LibreOffice's Italian community, was born last June as a non-profit association. This has been possible thanks to the large number of people who in recent months have joined and actively collaborated in the Google Plus community (approximately 2.500) and many italian PA that has choosen LibreOffice (Umbria Region, the Province of Bolzano, Cremona, Milano and Macerata and several municipalities and healthcare companies). Among the objectives of Libreltalia: contributing to the growth of digital culture, particularly in the most vulnerable groups of the population; promoting initiatives for dissemination and training on LibreOffice and FLOSS; supporting the dissemination of free formats, ODF in particular, and the publication and use of the open data by citizens.

*Wednesday from: 16:00 ~ to 16:30*

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## An Upcoming Issue in Feasibility Evaluations for a Migration to LibreOffice: Security [Migration]

**Lothar K. Becker**, Managing Director of .riess applications

Since Snowden, but more since «heartbleed», the subject of security for professional deployments in administration and economy plays a much more significant role in the migration advice to LibreOffice. The talk draws on the basis of customer consulting projects on the topic and include the relevant safety requirements in connection with LibreOffice on. They range from specific functional requirements, to general requirements for the software in their creation and operation. This formulation is not only at the technical level, it affects and challenges the entire eco-system. Furthermore, relevant responses from LibO be named to these safety needs. As this topic seems to be a new more political argument for the rejection of migrations to free office suites it is less technically argued but shown, why it works well for the evaluation, to provide the right answers here.

*Thursday from: 15:00 ~ to 15:30*

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## LibreOffice Migration Protocol [Migration]

**Cor Nouws**

For various reasons it's not possible nor desirable to put details for all possible migration questions in one document. However, looking at questions and ideas from the speaker, and also the audience, maybe some new ideas can be brought in?

*Thursday from: 16:00 ~ to 16:30*

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## What's cooking in GNOME - 3.12 under the hood [Migration]

**Tobias Mueller**, Student

With the GNOME 3.14 release in October many visible improvements were delivered to users around the world. While many people already excitedly use GNOME 3 with the new user experience, some feature of the new and elegant desktop like distraction-free notifications or redesigned system settings are not yet wildly known. We also did many things on the plumbing layer such as allowing GNOME to run Wayland. The talk will introduce to some of the design philosophies inherent in GNOME 3 as well as the main changes brought to users and developers. Also, since GNOME 3.14 is another step of a long lasting incrementally improved user experience, the future of GNOME's development will be speculated on.

*Friday from: 09:30 ~ to 10:00*

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## What Is a Smart Way to Prepare Trainings for LibreOffice in a Migration Situation ? [Migration]

**Cor Nouws**

What is a smart way to prepare trainings for LibreOffice in a migration Situation?

*Friday from: 11:00 ~ to 11:30*

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## Framing Your Competition [Marketing]

**Italo Vignoli**, Business Consultant

Learn how to monitor your competitors in order to develop a winning strategy. Targeted to native language projects.

*Wednesday from: 14:00 ~ to 14:30*

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## Promoting LibreOffice in Your Language [Marketing]

**Charles Schulz**

All you wanted to know about promoting LibreOffice in your language but never dared or had the time to ask! Among other topics this talk will discuss the following topics:

- messaging and adaptation to cultural and national contexts
- collaboration and contribution within the LibreOffice project for marketing
- sharing experiences - social media etc.

*Thursday from: 09:30 ~ to 10:00*

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## Almost Hidden Features in LibreOffice 4.3 [Marketing]

**Eike Rathke**, Senior Software Engineer at Red Hat, Inc.

An overview of some features I implemented for LibreOffice 4.3 that may not be too obvious for the casual user.

*Thursday from: 10:00 ~ to 10:30*

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## Marketing Strategy Workshop [Marketing]

**Charles Schulz, Italo Vignoli**, Business Consultant

This marketing strategy workshop will serve as an opportunity to reflect on the past year and the new activities we are considering.

*Thursday from: 16:30 ~ to 17:30*

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## Dealing with Journalists [Marketing]

**Italo Vignoli**, Business Consultant

This is a crash media training for people who will not be able to attend the full session which will be organized just before the conference. It is supposed to provide the basics of media relations, to help native language projects in dealing with journalists.

*Friday from: 11:30 ~ to 12:00*



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## Speaker Bios

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### Adam Fyne

Adam is an enthusiastic technologist and a software engineer with experience of 13 years in computer programming in demanding environments. He has a bachelor's degree in Computer Engineering and he has always loved coding since the days of QBasic. Adam has joined CloudOn & LibreOffice development since April 2013, and is leading a team of engineers working on Writer, mainly on improving interoperability with Microsoft OOXML files and adapting the LibreOffice project to the mobile devices market. Adam is also a member of the Board of Directors of The Document Foundation.



### Alexander Mayer

I have more than 7 years experience in document generation projects. For example I was part of a team, which developed a text editor with included script interpreter based on Java Swing (Styled Editor Kit).



### Alexander Werner

Alexander has been part of the community since 2007. Since the launch of LibreOffice, he was heavily involved in the setup of the server platform. He is working on providing a standardized, centrally configured infrastructure, and has set up various background and frontend tools. He is partner in a corporation that develops hard- and software applications and provides IT support.



### Alfredo Parisi

Research fellow at the Computer Science Department of Perugia University, on Open Data and FLOSS impact on regional digital policies. He discussed his master degree's thesis on the use case of LibreOffice's adoption in the Umbria Region, and worked in the LibreUmbria project Team at Consorzio SIR Umbria ([www.libreumbria.it](http://www.libreumbria.it)). He is a member of the executive board at Umbria Region FLOSS Competence Center (CCOS) and a cofounder and board member of Libreltalia ([www.libreitalia.it](http://www.libreitalia.it)).



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### Andras Timar

Andras Timar started to work on Hungarian localization of OpenOffice.org in 2002. He joined the LibreOffice project on the first day and started to work on localization related issues, including tools and infrastructure. He worked full time as a paid developer with the SUSE LibreOffice Team from April, 2011 to August, 2013, and he has been contracted by Collabora Ltd. since then. His LibreOffice related activities included coordination of localizations, release engineering, hacking on Windows installer, hacking on localization tools, general bugfixing, and mentoring students.

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### Bjoern Michaelsen

Bjoern Michaelsen is currently employed by Canonical Ltd. and is responsible for the packaging for LibreOffice on Ubuntu. He joined the company and LibreOffice development in February 2011, coming from Oracle (and before that Sun), where he was working on the same codebase for a few years in the Writer/Framework area. Even since long before that he is an open source enthusiast and did start with minor contributions to a range of open source projects.

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### Caolán McNamara

Caolán McNamara is an all-around hero; he has been involved in reverse engineering and writing filters for Microsoft file formats from the very beginning of Free Software support for them. He has contributed extensively to LibreOffice fixing issues from graphics subsystems, through to the Writer core. After working for Sun's StarDivision, he now works for RedHat full time leading their LibreOffice team.

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### Charles Schulz

Charles-H. Schulz (The «H» letter standing for his second name «Henri») is a French technologist, Free Software and Open Standards advocate. One of the founders and former directors of the Document Foundation he regularly contributes to the LibreOffice social media and marketing activities.

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### Christian Lohmaier

I'm one of the few people employed by TDF, Release Engineer, Infrastructure Administrator. Been with the LibreOffice project since it's creation (and before that the OOo project)

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## Christoph Lutz

From 2005 until 2011 Christoph was a member of the office team responsible for Munich's migration to OpenOffice.org (as a sub project of LiMux). In this context he worked on "WollMux", an OpenOffice / LibreOffice plugin with enhanced template, form, and autotext functionality. Since 2011 Christoph is employed at CIB where he is developing a toolchain for effective document creation processes using the ODT and DOCX formats. He has been familiar with OpenOffice.org / LibreOffice for a long time, likes to work in open source communities and is happy that CIB is increasing its involvement with LibreOffice.



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## Cor Nouws

Cor Nouws (The Netherlands) is director of the leading Dutch LibreOffice consulting firm Nou&Off. He is one of the founding members of The Document Foundation and was a long time contributor to the OpenOffice.org project. He is married and father of three children. Further more vegan, and loves good food, nature, people, music, cycling, running, skating (ice and in-line), sailing and more.. Of course all this when time allows ;)



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## David Tardon

Software engineer at Red Hat for 6 years, working first on OpenOffice.org, then on LibreOffice after it's creation. author of or contributor to several import filter libraries. Co-founder of the Document Liberation Project. Fedora maintainer of LibreOffice and many related libraries.



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## Douglas Vigliuzzi

At present, my job title is IT Analyst, working with free software migration and LibreOffice training at UNESP. I am graduated in Technologist IT and graduate degree in Computer Networking. Working at «Universidade Estadual Paulista» (UNESP) on IT Department since 2003 and exclusively with the use of free software in critical servers, since 2005, plus support for OpenOffice / LibreOffice suite. I have taught courses of LibreOffice in University units, and participated in the discussions that led to the creation of the document establishing the use of free software in UNESP, starting with the migration of the current office suite to LibreOffice. I'm a Linux user since 1998, working in the community where I entered as a disseminator of culture and values of FOSS. Member of the Brazilian LibreOffice Community and TDF member, collaborating with manual translates, LibreOffice Magazine. And eventually DJ.



## Dushyant Bhargami

Dushyant Bhargami is working as a QA Architect at Synerzip Softech Pvt. Ltd. He is having around 7.5 years of experience in the QA Automation and out of that 2+ years of experience in dealing OOXML format. He is also a member of TDF. Having experience in developing different kind of Automation Frameworks using Java, Ruby, Python, Cucumber etc.



## Eike Rathke

A LibreOffice hacker since the early days at Star Division, later Sun Microsystems, one other company and now Red Hat, Inc. Main areas of expertise are the Calc spreadsheet core, formula compiler and interpreter, number formatter/scanner, the i18n framework and locale data. Ardent supporter of Free Software, knowledge spreader, cyclist and sailor. Known on the net as erAck.



## Eilidh McAdam

I am a Scottish open source developer. I work for open source consultancy Itomig, where I focus on improvements to LibreOffice.



## Florian Effenberger

Florian has been a free software enthusiast for over ten years. He is one of the founders of The Document Foundation, the charitable entity behind LibreOffice, and today works as its Executive Director. Next to these activities, he is also involved in marketing and public relations, and is a frequent contributor to a variety of professional magazines worldwide.



## Florian Reisinger

He is a 19 year old student from Linz, Austria, currently studying Business Information Systems at the local university. He has been involved in the LibreOffice project shortly after the start and found his field of interest in the QA part of the community.



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### Fridrich Strba

Software engineer at SUSE, working on SUSE Linux Enterprise. Christian, married with Susan and having 3 wonderful children, Patrick, Miriam and Nathanael. Has been involved with LibreOffice since its birth and with OpenOffice.org before. Former Chair of the TDF Membership Committee and currently Member of its Board of Directors. Co-founder of the Document Liberation Project and author or co-author of several import filters for LibreOffice.



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### Italo Vignoli

Italo Vignoli is a TDF founder and former director. He is now in charge of media relations, communication strategy and coordination, and certification.



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### Jacobo Aragunde

Jacobo obtained a degree in Computer Science from the University of Coruña in Spain. Shortly thereafter he joined Igalia, a Computer Engineering enterprise specializing in Free Software development and consultancy, of which he is now a partner. Over the past seven years, Jacobo has worked with a variety of software stacks ranging from web applications to desktop and mobile technologies, and collaborated with teams and communities from around the world. More recently, Jacobo joined the LibreOffice community where he has been enhancing and fixing bugs in the ATK accessibility backend used by free desktop assistive technologies, as well as improving the interoperability capabilities of the suite.



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### Jan Holesovsky

Jan / Kandy is with LibreOffice since the very first day, but his knowledge of our codebase goes back to 2003 when he joined OpenOffice.org. He started developing office software even earlier, in 1998-9 he programmed the drawing part of KTTV, a Linux word processor and vector drawing program for lecture notes. Over the years, he has contributed to many areas, including the KDE integration, x86-64 porting, build/SCM related problems, DOCX export, and user interface in general. Kandy proudly works for Collabora Productivity.



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### Joel Madero

Joel joined The Document Foundation (TDF) in 2011 as a computer hobbyist, mostly contributing to the quality assurance (QA) side of the project. During the last two years, Joel has focused on encouraging users to become more involved as contributors, as he is a firm believer that every user has the ability to contribute in making LibreOffice better for everyone. Joel represented QA on the ESC call for a year, helped organize bi-weekly QA calls, has had the chance to commit a few patches, and is actively trying to grow awareness of TDF in the United States. In 2014 Joel joined the Board of Directors of TDF. He currently resides in San Diego, CA with his wife and is attaining his law degree.



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### Kohei Yoshida

Principal software engineer at Collabora Productivity, and LibreOffice hacker with emphasis on Calc. He started hacking on this OpenOffice.org code base back in 2006, and grew his interest and involvement thereafter. Aside from the regular maintenance duty with LibreOffice, he also maintains mdds, orcus and ixion libraries.



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### Lothar K. Becker

Lothar K. Becker is managing partner of .riess applications gmbh ([www.riess-app.de](http://www.riess-app.de)). He is co-founder of topics- and expert platform F-O-X. For over 10 years, Lothar is a management consultant for the use of open source on the desktop and in particular of free office suites. He himself is still much at Customer's sites for consulting and implementation projects. After receiving his diploma in computer science and economics, he held senior positions within two major international software and service provider. He is married and lives in Karlsruhe and Zurich.



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### Lubos Lunak

Luboš Luňák is a LibreOffice developer currently working for Collabora Productivity, focusing mainly on Writer and its MSOffice import/export filters.



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### László Németh

LibreOffice contributor (<http://cgit.freedesktop.org/libreoffice/core/log/?qt=author&q=nemeth>), and (ex) lead programmer of Free Software Competence Center, Hungary.



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### Marina Latini

Marina Latini is an Italian community member of TDF that focuses her activities on migration from MS Office, localization and recently bug triage. She took some lessons for the LibreUmbria Project. She is a member of Libreltalia community and believes in the importance of using and promoting open standards and open formats. Actually she works in the LibreOffice division by Studio Storti Srl, working on migration, helpdesk and bug triage.



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### **Markus Mohrhard**

Markus is a Libreoffice hacker working mostly on Calc and charts. When he is not hacking calc he is implementing new, crazy testing ideas for the Libreoffice project. Apart from his work on Libreoffice he maintains the Libreoffice cppunit version and works from time to time on orcus, ixion and mdds. Outside of the FOSS world he is in his last year studying mathematics at a university.



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### **Matus Kukan**

Unfortunately we do not yet have a bio of this speaker.



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### **Michael Meeks**

Michael is a Christian and enthusiastic believer in Free Software. He is the General Manager of Collabora Productivity, leading our LibreOffice team, supporting customers, consulting on development alongside an extremely talented team. He serves as a member of the board of The Document Foundation, and the LibreOffice Engineering Steering Committee; in the past he served on ECMA/TC45 improving Microsoft's description of the proprietary OOXML. Prior to this he was a Novell/SUSE Distinguished Engineer working on various pieces of Free Software infrastructure across the Linux desktop stack and before that he worked on both hardware and software for real-time video editing at Quantel.



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### **Michael Stahl**

Michael Stahl joined the Sun Hamburg OpenOffice.org Writer team in 2007, and struggling with various parts of OOo since then; nowadays continuing the work of cleaning up messes in LibreOffice, employed by Red Hat, Inc.



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### **Miklos Vajna**

Involved with OpenOffice.org since 2006 where I started as a packager for Frugalware Linux. Then I completed two Google Summer of Code projects to improve the RTF import/export filter of Writer. Hacking on LibreOffice Writer for Collabora.



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### Miloš Šrámek

Miloš Šrámek is a programmer and researcher in the area of medical image processing. However, Open source is his passion, occupying most of his limited spare time. Some time ago he co-founded the Society for Open Information Technologies, a not-for-profit organization based in Slovakia, that promotes the ideas of open source and free software, open data, and other kinds of openness. Miloš has been taking care of LibreOffice localization to Slovak since the OOo times.



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### Ptyl Dragon

I am a software engineer at CloudOn, and over the last year, I have been leading our growing team of software engineers, working on a the bridging layer, providing LibreOffice functionality to our iOS mobile app (based on the work Tor began). I would like to have the opportunity to represent CloudOn, and talk about the work we have done over the last year, with respect to LibreOffice on iOS.



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### Robinson Tryon

Robinson is a Free Software evangelist and hacker currently working as a QA Engineer for The Document Foundation (TDF), the German non-profit behind LibreOffice and the Document Liberation Project, and as a volunteer coordinator of LibreOffice community outreach and education in the United States. He's shepherded improvements to TDF infrastructure including Etherpad, MediaWiki, ownCloud, and the BSA. He's spent time working on interactive training programs for doctors and first responders at the Interactive Media Lab at the Geisel School of Medicine at Dartmouth College, and consulted on projects including Metadata Games, a Free/Open-Source game suite for libraries, archives, and other institutions. When he's not speaking about LibreOffice or hacking on code, you may find him tinkering in his basement, growing beans and hops in his garden, brewing beer in his kitchen, roasting something over the fire, or floating around a lake somewhere.



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### Shachar Binyamin

Product Manager at CloudOn with eng background and a attention to UX, working in CloudOn from its early days. Responsible of the Mobile content authoring tool and leading the transition plan from Microsoft Office to LibreOffice.



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### **Sonia Montegiove**

Sonia Montegiove is ICT specialist and trainer at Provincia di Perugia. She's contributor for many ICT magazine like Girl Geek Life and Tech Economy. She worked in the LibreUmbria projectc Team and she is co-founder of Libreltalia.



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### **Stanislav Horáček**

Stanislav Horáček is a satisfied long-term OOo/LibreOffice user from the Czech Republic who found out that contributing to this project could be a nice way how to relax. He has been participating in LibreOffice localization to Czech for a few years and tries to explore also other areas like updating the Help.



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### **Stephan Bergman**

From the original Hamburg StarOffice crowd, now a full-time LibreOffice guy at Red Hat.



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### **Sushil Shinde**

I have about 3 years of experience in OOXML format. I have been working on LibreOffice since last 10 months. I have contributed in 3 areas of Libreoffice viz. Development, Testing and Documentation. About 27 commits of mine have been merged to LO master. I have logged several bugs on libreoffice bugzilla.



## Svante Schubert

Svante works as freelancer on Document Formats. He is the submitter of the actual change-tracking proposal of the OASIS ODF Advanced Collaboration Subcommittee, where he recently become the chair. Aside standardization of ODF he is an active committer of the Apache ODF Toolkit (Incubating). For twelve years he had been working for Sun Microsystems in the field of standardization, most recently as a freelancer. Among other things, he was ..

- Responsible for the XML transformations of the OpenOffice.org
- Development Lead of the Java based ODF Toolkit
- Co-author on the ODF 1.2 Metadata specification of the Open Document Format
- Representatives from Sun in the W3C Compound Document Format
- Representatives from Sun / Oracle in DIN ISO SC34
- Responsible for collaboration in the browser-based Web ODF office suite
- Creator of the XHTML transformation, e.g. used for the OASIS ODF specification



## Tamas Zolnai

I'm a young man from Hungary who just finished his computer science studies in this year and continues programming inside Collabora Productivity. I use and develop LibreOffice for about two years. I've done more small things on different segments of the office suite. I improved localization infrastructure with killing SDF file format, implemented character border in Writer as a GSoC 2013 project and now working on integration of 3D model support into Impress.

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### **Tobias Mueller**

Tobias Mueller is a lead member of the GNOME Bugsquad for the last years and thus responsible for managing the bug database as well as the team around it. He is involved in deciding on effective policies for the bug database, actually dealing with the bugs in the database and recruiting new members who will help triaging. He also got elected to the Board of Directors in 2012 where he serves the GNOME Foundation to achieve their goals of creating and distributing great Free Software products. Besides being a Free Software and GNOME lover, Tobias is involved in the German security research community around the Chaos Computer Club. Topics of interest include Platform- and System-Security, Cryptography and Security Protocols.



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### **Tomaž Vajngerl**

Software engineer from Maribor, Slovenia. Worked in insurance software field for 7 years. Gained experience in information system, software design and XP methodologies. Since 2012 worked on LibreOffice as volunteer and now working for Collabora Productivity.



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### **Tor Lillqvist**

Tor Lillqvist is a cheerful old chap who works on LibreOffice for Collabora Productivity. He lives in Helsinki with his wife, daughter and dog and is an atheist. He enjoys the occasional craft beer and loves Swiss trains and chocolate.



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### **Valdir Barbosa**

At present, my job title is IT Assistant, working with free software migration and LibreOffice trainin at UNESP. Graduated in Technology and pos-graduated in Computers Networks. Working at Engineering University, UNESP - «Universidade Estadual Paulista» Campus Ilha Solteira, São Paulo - Brazil, since 1988. In 1999, started to use GNU/Linux on servers and personal desktop. In 2007, initiated the planning to work only with free software in UNESP. Organizer of Free Software Forum of UNESP, with the proposal to disseminate, promote and sensibilize the university community to work with free software and ODF standard. Trainer of LibreOffice and Ubuntu GNU/Linux in many units of UNESP. Member of Brazilian LibreOffice Community and TDF member. Collaborator of LibreOffice Magazine project and support volunteer at libreoffice lists and askbot.

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