



Internationalization & Unicode® Conference

OCTOBER 26-28, 2015 • SANTA CLARA, CA USA

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Conference At A Glance

Monday, October 26, 2015

TUTORIALS	Track 1	Track 2	Track 3
SESSION 1 08:30 – 10:00	<u>An Introduction to Writing Systems & Unicode</u> <u>Addison Phillips</u> Globalization Architect, Amazon	<u>Putting ICU to Work</u> <u>Michael Ow</u> Staff Software Engineer, IBM <u>Steven R. Loomis</u> Software Engineer, IBM	<u>Unicode in Action</u> <u>Tex Texin</u> Globalization Architect, Xencraft <u>Craig R. Cummings</u> Principal Software Engineer - Internationalization, Informatica <u>Michael McKenna</u> I18n Product Owner, PayPal, Inc.
10:00 - 10:30 Morning Refreshments			
SESSION 2 10:30 – 12:00	<u>An Introduction to Writing Systems & Unicode (Con't.)</u> <u>Addison Phillips</u> Globalization Architect, Amazon	<u>New! The CLDR Tutorial</u> <u>John Emmons</u> Senior Software Engineer, IBM	<u>Bidi on Android and iOS</u> <u>Craig R. Cummings</u> Principal Software Engineer - Internationalization, Informatica
12:00 - 13:00 Lunch			
SESSION 3 13:00 – 14:30	<u>Introduction to Unicode and Beyond</u> <u>Tex Texin</u> Globalization Architect, Xencraft <u>Craig R. Cummings</u> Principal Software Engineer - Internationalization, Informatica <u>Michael McKenna</u> I18n Product Owner, PayPal, Inc.	<u>Tailoring Collation to Users and Languages</u> <u>Markus Scherer</u> Unicode Software Engineer, Google, Inc.	<u>Introduction to Indic Scripts</u> <u>Anshuman Pandey</u> Department of Linguistics, University of California, Berkeley
14:30 – 15:00 Afternoon Refreshments			

SESSION 4 15:00 – 16:30	<u>Internationalization: An Introduction</u> <u>Addison Phillips</u> Globalization Architect, Amazon	<u>Internationalization and Localization in Ruby and Ruby on Rails</u> <u>Martin J. Dürst</u> Professor, Aoyama Gakuin University	<u>Building Fonts for the Universal Shaping Engine</u> <u>Andrew Glass</u> Program Manager, Microsoft
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Tuesday, October 27, 2015

09:00 - 9:15	Welcome & Opening Remarks
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09:15 – 10:00 **KEYNOTE PRESENTATION: Babel Rousers: The 900 Year Quest to Build a Better Language**
Arika Okrent, Linguist and Author of *In the Land of Invented Languages*

10:00 – 10:30 Morning Refreshments

PRESENTATIONS	Track 1 Case Studies	Track 2 Platforms	Track 3 Language
10:30 – 11:20 SESSION 1	<u>How We Built the Most Multilingual Translation System for Wikipedia</u> <u>Santhosh Thottingal</u> Senior Software Engineer, Language Engineering, Wikimedia Foundation	<u>Lessons Learned: How not to Represent Data in XML</u> <u>John Emmons</u> Senior Software Engineer, IBM <u>Mark Davis</u> Chief Internationalization Architect, Google	<u>Transliterated Input Methods with Auto-correction for South Indian Languages</u> <u>Muthu Nedumaran</u> Founder & CEO, Murasu Systems Sdn Bhd
11:30 – 12:20 SESSION 2	<u>iLoominate: Authoring eBooks in Multiple Languages</u> <u>Nick Doiron</u> Sr. Apps Developer, The Asia Foundation <u>Sora Edwards-Thro</u> Student, William & Mary College	<u>New in ICU</u> <u>Markus Scherer</u> Unicode Software Engineer, Google, Inc. <u>Steven R. Loomis</u> Software Engineer, IBM	<u>Understanding Multilingual Tweets</u> <u>Alolita Sharma</u> Senior Engineering Manager, Twitter

12:30 - 13:30 Lunch

PRESENTATIONS	Track 1 Case Studies	Track 2 Platforms	Track 3 Language
13:30 – 14:20 SESSION 3	<u>Multilingual Transliteration - Standards, Technology, and Issues</u> <u>Michael McKenna</u> I18n Product Owner, PayPal, Inc.	<u>Globalizing Modern JavaScript Apps</u> <u>Rafael Xavier de Souza</u> Project Lead for Globalize, jQuery	<u>Tai Tham: a "Hybrid" Script that Challenges Current Encoding Models</u> <u>Patrick Chew</u> Internationalization Manager, Change.org <u>Pichai Saengboon</u> Lanna Font Developer, Center for the Promotion of Arts and Culture, Chiang Mai University <u>Richard Wordingham</u> Lanna Enthusiast
14:30 – 15:20 SESSION 4	<u>Case Study: Internationalization of a World-Class Enterprise CMS</u>	<u>Comparing Java Script Libraries</u> <u>Craig R. Cummings</u>	<u>Bringing Balinese to iOS</u> <u>Norbert Lindenberg</u>

	<u>Leandro Reis</u> Globalization Architect, Adobe <u>Richard Geraghty</u> International Engineering Lead, Adobe	Principal Software Engineer - Internationalization, Informatica <u>Tex Texin</u> Globalization Architect, Xencraft	Founder, Lindenberg Software LLC
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15:20 – 15:50 Afternoon Refreshments

PRESENTATIONS	Track 1 Case Studies	Track 2 Platforms	Track 3 Language
15:50 – 16:40 SESSION 5	<u>Agile Internationalization User Stories</u> <u>Tex Texin</u> Globalization Architect, Xencraft	<u>Globalization node.js</u> <u>Steven R. Loomis</u> Software Engineer, IBM	<u>Korean Text Processing with Twitter-Korean-Text</u> <u>Hohyon Ryu</u> Senior Software Engineer, Twitter Inc.

PRESENTATIONS	Track 1 Lightning	Track 2 Platforms	Track 3 Fonts
16:50 – 17:40 SESSION 6	<u>IUC 39 Lightning Talks</u> Moderators: <u>Alolita Sharma</u> Senior Engineering Manager, Twitter <u>Martin J. Dürst</u> Professor, Aoyama Gakuin University Presenters: Shervin Afshar Netflix, Inc. and Behnam Esfahbod Facebook Mark Davis Google, Inc. Jim DeLaHunt Jim DeLaHunt & Assoc. Chris Dillon University College London Ben Hamilton Facebook James Koval Twitter Muthu Nedumaran Murasu Systems Anshuman Pandey UC Berkeley	<u>Griffin - PayPal Node.js API for i18n</u> <u>Michael McKenna</u> i18n Product Owner, PayPal, Inc. <u>Reza Payami</u> Internationalization Engineer, PayPal, Inc.	<u>Using Graphite to Address Challenges in Nastaliq-style Arabic Script</u> <u>Sharon Correll</u> Software Engineer, SIL International <u>Martin Hosken</u> Script Research and Engineering, SIL International

18:00 - 19:00 Conference Reception

Wednesday, October 28, 2015

PRESENTATIONS	Track 1	Track 2	Track 3
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	General Topic	Platforms	Fonts
09:00 – 09:50 SESSION 7	<u>How the Unicode Consortium Works (And How You Can Get Involved)</u> <u>Deborah Anderson</u> Technical Director, Unicode Consortium <u>Lisa Moore</u> Vice President, Chief Financial Officer, & UTC Chair, Unicode Consortium <u>Rick McGowan</u> Technical Vice President & IUC Conference Chair, Unicode Consortium	<u>What Toys are in Your Internationalization Toolbox?</u> <u>Michael Kuperstein</u> Localization Engineer, Intel <u>Loïc Dufresne de Virel</u> Localization Strategist, Intel	<u>Universal Shaping</u> <u>Andrew Glass</u> Program Manager, Microsoft <u>Behdad Esfahbod</u> Internationalization Software Engineer, Google Inc. <u>John Hudson</u> Co-Founder, Tiro Typeworks Ltd. <u>Roozbeh Pournader</u> Internationalization Engineer, Google Inc.
PRESENTATIONS	Track 1 CLDR	Track 2 Platforms	Track 3 Fonts
10:00 – 10:50 SESSION 8	<u>Emoji Q&A Panel</u> <u>Mark Davis</u> Chief Internationalization Architect, Google Inc.	<u>Adventures in Android Message Formatting</u> <u>Addison Phillips</u> Globalization Architect, Amazon	<u>Universal Shaping (Cont.)</u> <u>Andrew Glass</u> Program Manager, Microsoft <u>Behdad Esfahbod</u> Internationalization Software Engineer, Google Inc. <u>John Hudson</u> Co-Founder, Tiro Typeworks Ltd. <u>Roozbeh Pournader</u> Internationalization Engineer, Google Inc.
10:50 - 11:10 Morning Refreshments			
PRESENTATIONS	Track 1 CLDR	Track 2 Programming	Track 3 Fonts
11:10 – 12:00 SESSION 9	<u>CLDR Users Panel</u> Moderator: <u>Steven R. Loomis</u> Software Engineer, IBM Panelists: <u>Shawn Steele</u> Senior Software Engineer, Microsoft <u>Mark Davis</u> Chief Internationalization Architect, Google Inc. <u>Shervin Afshar</u> Localization Engineer Netflix, Inc. <u>Shawn (Xiang) Xu</u> Internationalization Engineer, Netflix	<u>Internationalizing and Localizing Single-Page Web Applications</u> <u>Joel Sahleen</u> Sr. Globalization Engineer, Adobe	<u>A Tour of Android Typography</u> <u>Raph Levien</u> Software Engineer, Google, Inc.

	<u>Nova Patch</u> Lead Engineer, International Search, Shutterstock <u>John Emmons</u> Senior Software Engineer, IBM		
12:00 - 13:00 Lunch			
PRESENTATIONS	Track 1 CLDR	Track 2 Programming	Track 3 Fonts
13:00 – 13:50 SESSION 10	<u>Enhanced Umm AlQura Calendar Support</u> <u>Mohamed Mohie</u> Globalization Manager (PMP®), Manager of Arabic GCoC, IBM Worldwide <u>Ramy Said</u> Advisory IT Specialist, Globalization Center of Competency - Arabic Focal Arabic Competence and Globalization Center (ACGC) Cairo Technology Development Center (CTDC) - IBM Egypt	<u>Building Localization Capacity Through Non-specialist Developers</u> <u>Jim DeLaHunt</u> Principal, Jim DeLaHunt & Associates	<u>Pan-CJK Font Development Techniques, Tips, Tricks & Pitfalls</u> <u>Ken Lunde</u> Senior Computer Scientist 2, CJKV Type Development, Adobe
PRESENTATIONS	Track 1 General Topic	Track 2 Programming	Track 3 Emoji
14:00 – 14:50 SESSION 11	<u>New Developments in ScriptSource</u> <u>Sharon Correll</u> Software Engineer, SIL International <u>Lorna Priest Evans</u> Script Technologist, SIL International	<u>Hello, My Name Is _____.</u> <u>Nova Patch</u> Lead Engineer, International Search, Shutterstock	<u>Having Fun with Twemoji</u> <u>Alolita Sharma</u> Senior Engineering Manager, Twitter
14:50 – 15:10 Afternoon Refreshments			
PRESENTATIONS	Track 1 Testing	Track 2 Programming	Track 3 Emoji
15:10 – 16:00 SESSION 12	<u>Remote L10N Test Solution</u> <u>Yona Chen</u> Senior Project Manager, Huawei	<u>Continuing Adventures Going Door-to-Door Around the World</u> <u>Erwin Hom</u> Internationalization Engineer, PayPal, Inc. <u>Michael McKenna</u> l18n Product Owner, PayPal, Inc.	<u>Emoji Search</u> <u>Nova Patch</u> Lead Engineer, International Search, Shutterstock
16:10 – 17:00 SESSION 13	<u>Mobile l18n Testing Toolbox: 2015 Updates</u> <u>Katsuhiko Momoi</u>	<u>Performance Matters - A New Algorithmic Approach for Fast Unicode Regular Expression Processing</u> <u>Robert Cameron</u>	<u>Unicode Emoji: How Do We Standardize that Je ne Sais Quoi???</u> <u>Maggie Ronan</u>

	<i>Staff Test Engineer, Google, Inc.</i>	<i>Professor, Simon Fraser University</i>	<i>Release Manager, Indiegogo</i> <u>Liat Berdugo</u> <i>Artist & Curator</i>
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Program is subject to change.