



# Internationalization & Unicode® Conference

# 39

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
<b>SESSION 1</b> 08:30 – 10:00	<b><u>An Introduction to Writing Systems &amp; Unicode</u></b>  <u>Addison Phillips</u> <i>Globalization Architect, Amazon</i>	<b><u>Putting ICU to Work</u></b>  <u>Michael Ow</u> <i>Staff Software Engineer, IBM</i>  <u>Steven R. Loomis</u> <i>Software Engineer, IBM</i>	<b><u>Unicode in Action</u></b>  <u>Tex Texin</u> <i>Globalization Architect, Xencraft</i>  <u>Craig R. Cummings</u> <i>Principal Software Engineer - Internationalization, Informatica</i>  <u>Michael McKenna</u> <i>118n Product Owner, PayPal, Inc.</i>
10:00 - 10:30 Morning Refreshments			
<b>SESSION 2</b> 10:30 – 12:00	<b><u>An Introduction to Writing Systems &amp; Unicode (Con't.)</u></b>  <u>Addison Phillips</u> <i>Globalization Architect, Amazon</i>	<b><u>New! The CLDR Tutorial</u></b>  <u>John Emmons</u> <i>Senior Software Engineer, IBM</i>	<b><u>Bidi on Android and iOS</u></b>  <u>Craig R. Cummings</u> <i>Principal Software Engineer - Internationalization, Informatica</i>
12:00 - 13:00 Lunch			
<b>SESSION 3</b> 13:00 – 14:30	<b><u>Introduction to Unicode and Beyond</u></b>  <u>Tex Texin</u> <i>Globalization Architect, Xencraft</i>  <u>Craig R. Cummings</u> <i>Principal Software Engineer - Internationalization, Informatica</i>  <u>Michael McKenna</u> <i>118n Product Owner, PayPal, Inc.</i>	<b><u>Tailoring Collation to Users and Languages</u></b>  <u>Markus Scherer</u> <i>Unicode Software Engineer, Google, Inc.</i>	<b><u>Introduction to Indic Scripts</u></b>  <u>Anshuman Pandey</u> <i>Department of Linguistics, University of California, Berkeley</i>
14:30 – 15:00 Afternoon Refreshments			

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

09:00 - 9:15	<b>Welcome &amp; Opening Remarks</b>
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09:15 – 10:00	<b>KEYNOTE PRESENTATION: <u>Babel Rousers: The 900 Year Quest to Build a Better Language</u></b> <a href="#">Arika Okrent</a> , <i>Linguist and Author of In the Land of Invented Languages</i>
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10:00 – 10:30 Morning Refreshments
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PRESENTATIONS	Track 1 <i>Case Studies</i>	Track 2 <i>Platforms</i>	Track 3 <i>Language</i>
10:30 – 11:20 SESSION 1	<b><u>How We Built the Most Multilingual Translation System for Wikipedia</u></b>  <a href="#">Santhosh Thottingal</a> <i>Senior Software Engineer, Language Engineering, Wikimedia Foundation</i>	<b><u>Lessons Learned: How not to Represent Data in XML</u></b>  <a href="#">John Emmons</a> <i>Senior Software Engineer, IBM</i>  <a href="#">Mark Davis</a> <i>Chief Internationalization Architect, Google</i>	<b><u>Transliterated Input Methods with Auto-correction for South Indian Languages</u></b>  <a href="#">Muthu Nedumaran</a> <i>Founder &amp; CEO, Murasu Systems Sdn Bhd</i>
11:30 – 12:20 SESSION 2	<b><u>iLoominate: Authoring eBooks in Multiple Languages</u></b>  <a href="#">Nick Doiron</a> <i>Sr. Apps Developer, The Asia Foundation</i>  <a href="#">Sora Edwards-Thro</a> <i>Student, William &amp; Mary College</i>	<b><u>New in ICU</u></b>  <a href="#">Markus Scherer</a> <i>Unicode Software Engineer, Google, Inc.</i>  <a href="#">Steven R. Loomis</a> <i>Software Engineer, IBM</i>	<b><u>Understanding Multilingual Tweets</u></b>  <a href="#">Alolita Sharma</a> <i>Senior Engineering Manager, Twitter</i>

12:30 - 13:30 Lunch
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PRESENTATIONS	Track 1 <i>Case Studies</i>	Track 2 <i>Platforms</i>	Track 3 <i>Language</i>
13:30 – 14:20 SESSION 3	<b><u>Multilingual Transliteration - Standards, Technology, and Issues</u></b>  <a href="#">Michael McKenna</a> <i>118n Product Owner, PayPal, Inc.</i>	<b><u>Globalizing Modern JavaScript Apps</u></b>  <a href="#">Rafael Xavier de Souza</a> <i>Project Lead for Globalize, jQuery</i>	<b><u>Tai Tham: a "Hybrid" Script that Challenges Current Encoding Models</u></b>  <a href="#">Patrick Chew</a> <i>Internationalization Manager, Change.org</i>  <a href="#">Pichai Saengboon</a> <i>Lanna Font Developer, Center for the Promotion of Arts and Culture, Chiang Mai University</i>  <a href="#">Richard Wordingham</a> <i>Lanna Enthusiast</i>
14:30 – 15:20 SESSION 4	<b><u>Case Study: Internationalization of a World-Class Enterprise CMS</u></b>	<b><u>Comparing Java Script Libraries</u></b>  <a href="#">Craig R. Cummings</a>	<b><u>Bringing Balinese to iOS</u></b>  <a href="#">Norbert Lindenberg</a>

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

PRESENTATIONS	Track 1 Case Studies	Track 2 Platforms	Track 3 Language
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15:50 – 16:40 SESSION 5	<p><b><u>Agile Internationalization User Stories</u></b></p> <p><u>Tex Texin</u> Globalization Architect, Xencraft</p>	<p><b><u>Globalization node.js</u></b></p> <p><u>Steven R. Loomis</u> Software Engineer, IBM</p>	<p><b><u>Korean Text Processing with Twitter-Korean-Text</u></b></p> <p><u>Hohyon Ryu</u> Senior Software Engineer, Twitter Inc.</p>
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PRESENTATIONS	Track 1 Lightning	Track 2 Platforms	Track 3 Fonts
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16:50 – 17:40 SESSION 6	<p><b><u>IUC 39 Lightning Talks</u></b></p> <p>Moderators: <u>Alolita Sharma</u> Senior Engineering Manager, Twitter</p> <p><u>Martin J. Dürst</u> Professor, Aoyama Gakuin University</p> <p>Presenters: Shervin Afshar Netflix, Inc. and Behnam Esfahbod Facebook</p> <p>Mark Davis Google, Inc.</p> <p>Jim DeLaHunt Jim DeLaHunt &amp; Assoc.</p> <p>Chris Dillon University College London</p> <p>Ben Hamilton Facebook</p> <p>James Koval Twitter</p> <p>Muthu Nedumaran Murasu Systems</p> <p>Anshuman Pandey UC Berkeley</p>	<p><b><u>Griffin - PayPal Node.js API for i18n</u></b></p> <p><u>Michael McKenna</u> I18n Product Owner, PayPal, Inc.</p> <p><u>Reza Payami</u> Internationalization Engineer, PayPal, Inc.</p>	<p><b><u>Using Graphite to Address Challenges in Nastaliq-style Arabic Script</u></b></p> <p><u>Sharon Correll</u> Software Engineer, SIL International</p> <p><u>Martin Hosken</u> Script Research and Engineering, SIL International</p>
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18:00 - 19:00 Conference Reception

Wednesday, October 28, 2015

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

	<p><u>Nova Patch</u> Lead Engineer, International Search, Shutterstock</p> <p><u>John Emmons</u> Senior Software Engineer, IBM</p>		
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12:00 - 13:00 Lunch

PRESENTATIONS	Track 1 CLDR	Track 2 Programming	Track 3 Fonts
13:00 – 13:50 SESSION 10	<p><b><u>Enhanced Umm AlQura Calendar Support</u></b></p> <p><u>Mohamed Mohie</u> Globalization Manager (PMP®), Manager of Arabic GCoC, IBM Worldwide</p> <p><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</p>	<p><b><u>Building Localization Capacity Through Non-specialist Developers</u></b></p> <p><u>Jim DeLaHunt</u> Principal, Jim DeLaHunt &amp; Associates</p>	<p><b><u>Pan-CJK Font Development Techniques, Tips, Tricks &amp; Pitfalls</u></b></p> <p><u>Ken Lunde</u> Senior Computer Scientist 2, CJKV Type Development, Adobe</p>

PRESENTATIONS	Track 1 General Topic	Track 2 Programming	Track 3 Emoji
14:00 – 14:50 SESSION 11	<p><b><u>New Developments in ScriptSource</u></b></p> <p><u>Sharon Correll</u> Software Engineer, SIL International</p> <p><u>Lorna Priest Evans</u> Script Technologist, SIL International</p>	<p><b><u>Hello, My Name Is _____.</u></b></p> <p><u>Nova Patch</u> Lead Engineer, International Search, Shutterstock</p>	<p><b><u>Having Fun with Twemoji</u></b></p> <p><u>Alolita Sharma</u> Senior Engineering Manager, Twitter</p>

14:50 – 15:10 Afternoon Refreshments

PRESENTATIONS	Track 1 Testing	Track 2 Programming	Track 3 Emoji
15:10 – 16:00 SESSION 12	<p><b><u>Remote L10N Test Solution</u></b></p> <p><u>Yona Chen</u> Senior Project Manager, Huawei</p>	<p><b><u>Continuing Adventures Going Door-to-Door Around the World</u></b></p> <p><u>Erwin Hom</u> Internationalization Engineer, PayPal, Inc.</p> <p><u>Michael McKenna</u> 118n Product Owner, PayPal, Inc.</p>	<p><b><u>Emoji Search</u></b></p> <p><u>Nova Patch</u> Lead Engineer, International Search, Shutterstock</p>
16:10 – 17:00 SESSION 13	<p><b><u>Mobile I18n Testing Toolbox: 2015 Updates</u></b></p> <p><u>Katsuhiko Momoi</u></p>	<p><b><u>Performance Matters - A New Algorithmic Approach for Fast Unicode Regular Expression Processing</u></b></p> <p><u>Robert Cameron</u></p>	<p><b><u>Unicode Emoji: How Do We Standardize that Je ne Sais Quoi???</u></b></p> <p><u>Maggie Ronan</u></p>

*Staff Test Engineer,  
Google, Inc.*

*Professor, Simon Fraser  
University*

*Release Manager,  
Indiegogo*

*Liat Berdugo*  
*Artist & Curator*

*Program is subject to change.*



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