## Conference Program ICEDEG 2017

### Wednesday, March 19

**Address:** Amazonas N37-271 y Villalengua

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08h00 - 08h45</td>
<td>Registration</td>
</tr>
<tr>
<td>08h45 - 08h55</td>
<td>ICEDEG 2017 Conference Opening</td>
</tr>
<tr>
<td>09h00 - 10h30</td>
<td><strong>Tutorial 1</strong></td>
</tr>
<tr>
<td>Chair:</td>
<td>Prof. Julio Balarezo</td>
</tr>
<tr>
<td>Room:</td>
<td>Main Auditorium</td>
</tr>
<tr>
<td>Title:</td>
<td>Citizens, Politics, and Social Media - Trends, Impacts and Lessons Learnt (Part I)</td>
</tr>
<tr>
<td>Instructors:</td>
<td>Mariana Lameiras</td>
</tr>
<tr>
<td>10h30 - 11h00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11h00 - 12h30</td>
<td><strong>Tutorial 1</strong></td>
</tr>
<tr>
<td>Title:</td>
<td>Citizens, Politics, and Social Media - Trends, Impacts and Lessons Learnt (Part II)</td>
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<tr>
<td>Instructors:</td>
<td>Mariana Lameiras</td>
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<tr>
<td>12h30 - 14h00</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>14h00 - 15h30</td>
<td><strong>Tutorial 2</strong></td>
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<tr>
<td>Chair:</td>
<td>Prof. Julio Balarezo</td>
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<td>Room:</td>
<td>Main Auditorium</td>
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<tr>
<td>Title:</td>
<td>Digital Identification as a Core Element of e-Governance (Part I)</td>
</tr>
<tr>
<td>Instructors:</td>
<td>Katrin Nyman-Metcalf and Bogdan Kelichavyi</td>
</tr>
<tr>
<td>15h30 - 16h00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16h00 - 17h00</td>
<td><strong>Tutorial 2</strong></td>
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<tr>
<td>Title:</td>
<td>Digital Identification as a Core Element of e-Governance (Part I)</td>
</tr>
<tr>
<td>Instructors:</td>
<td>Katrin Nyman-Metcalf and Bogdan Kelichavyi</td>
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<tr>
<td>14h00 - 17h00</td>
<td><strong>PhD Symposium</strong></td>
</tr>
<tr>
<td>Chairs:</td>
<td>Prof. Jesus Cano</td>
</tr>
<tr>
<td>Room:</td>
<td>109 (First Floor)</td>
</tr>
<tr>
<td>Title:</td>
<td>Secret Suffrage in Remote Electronic Voting Systems</td>
</tr>
<tr>
<td>Author:</td>
<td>Adría Rodríguez-Pérez</td>
</tr>
<tr>
<td>Title:</td>
<td>Role of Information Assets in Electronic Government Systems</td>
</tr>
<tr>
<td>Author:</td>
<td>Hanna Shmagun</td>
</tr>
<tr>
<td>Title:</td>
<td>Lurking in Online Participation and E-Participation</td>
</tr>
<tr>
<td>Author:</td>
<td>Noella Edelmann</td>
</tr>
<tr>
<td>Title:</td>
<td>Looking for Trustworthy Relief Channels: A Social Recommender Approach</td>
</tr>
<tr>
<td>Author:</td>
<td>Johnny Torres</td>
</tr>
</tbody>
</table>
### Thursday, April 20

**Address:** Amazonas N37-271 y Villalengua

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08h00 - 08h45</td>
<td>Registration</td>
</tr>
<tr>
<td>08h45 - 09h00</td>
<td>ICEDEG 2017 Conference Opening</td>
</tr>
<tr>
<td>09h05 - 10h00</td>
<td>Keynote 1: Speaker: Prof. Philippe Cudre-Mauroux</td>
</tr>
<tr>
<td>09h05 - 10h00</td>
<td>Keynote: Big Data Integration for eGovernment</td>
</tr>
<tr>
<td>10h00 - 10h30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10h30 - 11h00</td>
<td><strong>Session 1: Data/Opinion Mining and Decision Support</strong></td>
</tr>
</tbody>
</table>
| 10h30 - 10h50 | **Title:** Requiem for Online Harassers: Identifying Racism from Political Tweets  
**Authors:** Estefania Lozano, Jorge Cedeño, Galo Castilla, Fabricio Layedra, Henry Lasso and Carmen Vaca. |
| 10h50 - 11h10 | **Title:** A Model for Social Assessment of Governmental Areas Through Intangible Assets  
**Authors:** Jose Ignacio Peñaz, Estela Del Rocio Yaney and Francisco E Cabrera. |
| 11h10 - 11h30 | **Title:** Data Mining Model in the Discovery of Trends and Patterns of Intruder Attacks on the Data Network as a Public-Sector Innovation  
**Authors:** Mayra Macas, Lidia Laglia, Walter Fuertes, Graciela Guerrero and Theofilos Toulkeridis. |
| 11h30 - 11h50 | **Session 2: eDemocracy**                                            |
| 11h30 - 11h50 | **Title:** Affordable and Secure Electronic Voting for University Elections: the SAVE Case Study  
**Authors:** Xavier Ochoa and Enrique Pelaez |
| 11h50 - 12h10 | **Title:** E-collaborating with Sigma. The measurement of the impact of social actions for democratising information  
**Authors:** Félix Fernández-Peña, Diego León-Solís, Xavier Calle-Gómez and Pilar Urrutia-Urrutia. |
| 12h10 - 12h30 | **Title:** Back to #6D: Predicting Venezuelan States Political Election Results through Twitter  
**Authors:** Rodrigo F. Castro, Leonardo X. Kuffó and Carmen Vaca. |
| 12h30 - 14h00 | Lunch Break                                                          |
| 14h00 - 14h05 | Session Opening                                                      |
| 14h05 - 15h00 | Keynote 2: Speaker: Prof. Jospeh Konstan                            |
| 14h05 - 15h00 | Keynote: Social and Participatory Computing: Lessons for E-Democracy and E-Government |
| 15h00 - 15h30 | Coffee Break                                                         |
| 15h30 - 15h50 | **Session 3: eGovernment**                                           |
| 15h30 - 15h50 | **Title:** Design and Implementation of a Wireless Sensor Network to Detect Forest Fires  
**Authors:** Jorge Granda Canturúa, Jean-Michel Clairand, Dennis Bastidas and Santiago Solorzano. |
| 15h50 - 16h10 | **Title:** E-Government and Cloud: Security Implementation for Services  
**Authors:** Alessandro Betacchi, Barbara Re and Alberto Polzonetti. |
| 16h10 - 16h30 | **Title:** On the Development of an Electronic Invoicing Solution to Integrate SMEs with a Tax-Collection eGovernment-Platform  
**Authors:** Abraham Matus, Ernesto Guerra, Walter Fuertes, Mónica Gómez, Hernán Aules, Theofilos Toulkeridis and Cesar Villacis. |
### Thursday, April 20

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<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>16h30 - 17h30</td>
<td>Session 4: Posters Session</td>
</tr>
<tr>
<td><strong>Chair:</strong></td>
<td>Prof. José María Lavin</td>
</tr>
<tr>
<td><strong>Room:</strong></td>
<td>Hall next to the Main Auditorium</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Analysis of usability of universities Web portals using the Prometheus tool - SIRIUS</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Luis Chamba-Eras, Luis Jacome-Galarza, Edison Coronel-Romero and Milton Labanda-Jaramillo.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Posters, a proposal for the design of Language MOOCs in a Blended context Session</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Carlos A. Morales F., Veronica E. Chicaiza R. and Javier Sanchez Guerrero.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Comparative analysis of learner interactions in flipped and traditional classes using social network analysis</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Karina Cela, Cecilia Milena Hinojosa Raza and Franklin Leonel Sánchez Catola.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Development of a Prototype Application using XBRL for the Generation of Financial Statements according to IFRS in Ecuador</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Renato Urvina-Barrionuevo, Franklin Mayorga-Mayorga, Edison Alvarez-Mayorga and Jose M Lavin.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Digital Literacy Proposal to Improve eParticipation in Marginal Urban Areas</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Rodrigo Saraguro-Bravo, Sianna Puente-Castro, Stephany Quimba-Herrera, Janina Costa-Campuzano and Kalya Desiderio-Sanchez.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>E-Government in Spain’s Town Councils. A study of transparency, content, and services</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Antonio Muñoz-Cañavate, Maria Soledad Hormigo and Rubén Dario Ramos Grijalva.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>European Innovation Procurement “Pre-Commercial-Procurement” and Cloud Computing by Reference to the Research Project “Cloud for Europe”</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Carl-Markus Piswanger and Linda Strick.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Exploring On-time Automated Assessment in a Co-located Collaborative System</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Vanessa Echeverria, Gabriel Falcones, Jaime Castells, Roberto Martínez-Maldonado and Katherine Chiluiza.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Fostering rural actors’ empowerment through “multi-viewpoints” methods and ICT tools</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Jean-Pierre Cahier, Pascal Salember and Nada Matta.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Geospatial Collective Intelligence for Health Planning</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Alex Fernando Jiménez Vélez, Josep Maria Monguet Fierro and Luis Terán</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>InfoCentros, a Key Factor for the Deployment of e-Agriculture in Ecuador</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Julio Torres-Tello and Paola Fuenmayor.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Milano, Città d’Arte: From geolocated tweets to urban residents preferences clusters</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Orlando Zambrano, Allan Avendano, Wendy Yanez and Carmen Vaca.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Model for Adjusting Workplaces for Employees with Visual and Hearing Disabilities</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Sandra Sanchez-Gordon, Sergio Luján-Mora and Miguel Mejia.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Offline Mobile Application for Places Identification with Augmented Reality</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Silvia Martinez, Gabriel Lopez and Marjory Diaz.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Perspectives for e-Residency; Strengths, Opportunities, Weaknesses and Threats</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Kaspar Korjus, Carlos Ivan Vargas Alvarez Del Castillo, Hanna Shmagun and Taavi Kotka.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Privacy Vulnerability Analysis for Android Applications A Practical Approach</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Gabriel Lopez, Alejandro Argudo and Franklin Sanchez.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Secrets of Quito: Discovering a city through TripAdvisor</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Madelyne Velasco, César San-Lucas, Kevin Ortiz, José Vélez and Carmen Vaca.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Smart Objects in Education: An Early Survey to Assess Opportunities and Challenges</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Federico Domínguez and Xavier Ochoa.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>State of the Art: Trends and Contributions of the Human in Signature Recognition via Crowdsourcing and Manual Annotation</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Derlin Morocho, Francisco Encalada, Darwin Alulema, Alexander Ibarra, Jonathan Flores and Verónica Alulema.</td>
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<tr>
<td><strong>Title:</strong></td>
<td>Smart City and E-Governance: Exploring the Connect in the Context of Local Development in India</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Rama Kushna Das and Harekrishna Misra.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>The Introduction of e-Democracy and e-Participation in the Swiss Federal Administration: Empirical Findings from Semi-Structured Interviews</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Tereza Cahlikova.</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Wearable System for Monitoring of Human Physical Activities</td>
</tr>
<tr>
<td><strong>Authors:</strong></td>
<td>Paul Yanchapaxi, Christian Tiantuifa and Xavier Caiderón.</td>
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**Social Events**

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<tbody>
<tr>
<td>17h45 - 20h45</td>
<td>Sightseeing bus in Quito Downtown. Pick up from conference venue</td>
</tr>
<tr>
<td>21h00 - 23h00</td>
<td>Conference Dinner at Pim’s Panecillo Restaurant</td>
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## Friday, April 21

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<tbody>
<tr>
<td>08h00 - 09h00</td>
<td>Registration</td>
</tr>
<tr>
<td>09h00 - 09h05</td>
<td>ICEDEG 2017 Conference Opening</td>
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</table>

### Keynote 3
**Room:** Main Auditorium  
**Speaker:** Eng. Ernesto Kruger  
**Keynote:** The Fourth Industrial Revolution and the Democratization of Information

### 10h00 - 10h30
**Coffee Break**

### Session 5: eParticipation
**Chair:** Prof. Carmen Vaca  
**Room:** Main Auditorium

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10h05 - 10h00</td>
<td>The Value of Lurking in E-Participation</td>
<td>Noella Edelmann, Robert Krimmer and Peter Parycek.</td>
</tr>
<tr>
<td>10h05 - 11h10</td>
<td>Increasing Public Value through Co-Creation of Open Knowledge</td>
<td>Jerry Andriessen, Michael Baker, Gennaro Cordasco, Renato De Donato, Delfina Malandrino, Giuseppina Palmieri, Mirjam Pandija, Andrea Petta, Donato Pirozi, Vittorio Scarano, Luigi Serra, Carmine Spagnuolo and Luca Viodomini.</td>
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### 11h10 - 12h30
**Session 6: eGovernance**  
**Chair:** Dr. Mariana Lameiras  
**Room:** Main Auditorium

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<tr>
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<th>Authors</th>
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<tbody>
<tr>
<td>11h30 - 11h50</td>
<td>Regional E-government Development: Evolution of EGDI in Andean Countries</td>
<td>Zanna Aniscenko and Andrés Robalino-López.</td>
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<tr>
<td>11h50 - 12h10</td>
<td>Facilitating Financial Inclusion through E-Governance: Case Based Study in Indian Scenario</td>
<td>Harekrishna Misra.</td>
</tr>
<tr>
<td>12h10 - 12h30</td>
<td>Scientific communities detection and analysis in the bibliographic database: Scopus</td>
<td>Angel Fiallos, Karina Jimenes, Carmen Vaca and Xavier Ochoa.</td>
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### 12h30 - 14h00
**Lunch Break**

### Session 7: eHealth
**Chair:** Prof. Katrin Nyman Metcalf  
**Room:** Main Auditorium

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<tbody>
<tr>
<td>14h00 - 14h20</td>
<td>Crisis management on Twitter: Detecting emerging leaders</td>
<td>Estefania Lozano and Carmen Vaca.</td>
</tr>
<tr>
<td>14h40 - 15h00</td>
<td>e-Health and Fitness in Ecuador: A social media based analysis</td>
<td>Johnny Torres and Carmen Vaca.</td>
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### 15h00 - 15h30
**Coffee Break**

### Session 8: eSociety
**Chair:** Noella Edelmann  
**Room:** Main Auditorium

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<tr>
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</tr>
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<tbody>
<tr>
<td>15h50 - 16h10</td>
<td>Learning Analytic in a Smart Classroom to improve the eEducation</td>
<td>Jose Aguilar and Priscila Valdiviezo.</td>
</tr>
<tr>
<td>16h10 - 16h30</td>
<td>Use of embedded markup for semantic annotations in e-government and e-education websites</td>
<td>Rosa Navarrete and Sergio Luján Mora.</td>
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</table>

### 16h45 - 17h30
**Closing Cocktail and Sneak Peak at ICEDEG 2018**