2015 Second International Conference on eDemocracy & eGovernment

(ICEDEG 2015)

Quito, Ecuador
8-10 April 2015
## PROGRAM

### Tutorials — ICEDEG

#### Tutorial 1

1. Carlos Monsalve, Héctor Puyosa, Luis Terán  
   IEEE Hack Ecuador Challenge (HEC’15)
2. Esteban Javier Calderón Mena, Juan Carlos Guijarro Montalvo, Víctor Andrés Guijarro Montalvo  
   Centrum
3. Inabel Karina Mazón Quinde, Edwin Marcelo Llauca Guallpa  
   DISS Directory of Social Services

#### Tutorial 2

4. Víctor González  
   Use of Geographic Information Systems with open source solutions, an approach to access eDemocracy & eGovernment

#### Tutorial 3

5. Sandra Elena, Germán Stalker, Carlos E. Jiménez, François van Schalkwyk, Michael Cañares  
   Open Government and Open Data – A Global Perspective

#### Tutorial 4

6. Jalel Akaichi  
   The Road to Democracy: Modeling and Analysis of an Election Big Data

### Keynotes, Research Papers and Case Studies — ICEDEG

#### Keynote Addresses

7. Satyam Priyadarshy  
   Keynote 1 – ICEDEG 2015
8. Carlos E. Jiménez  
   Smart Cities, Open Innovation and Open Government: Towards “Public-Private-People Partnership” (PPPP) Models?
<table>
<thead>
<tr>
<th>Page</th>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Tom Schenk</td>
<td>Building a government data strategy: Aligning open data and advanced research with the public and open science principles</td>
</tr>
<tr>
<td>19</td>
<td>Sissy-Ve Basmer-Birkenfeld, Tobias Redlich, Pascal Krenz, Sonja Buxbaum-Conradi, Jens Wulfsberg, Franz-Ludwig Bruhns</td>
<td>Modes of participation. Impact of ICTs on the importance of membership and participation</td>
</tr>
<tr>
<td>26</td>
<td>Pascal Krenz, Sissy-Ve Basmer-Birkenfeld, Sonja Buxbaum-Conradi, Tobias Redlich, Jens Wulfsberg</td>
<td>Facing the Conflict of Transparency and Non-Disclosure of Knowledge within Value Creation Networks</td>
</tr>
<tr>
<td>34</td>
<td>Julio E. Balarezo, David Ríos Insua, José M. Lavin</td>
<td>AYNIKUY: A system to support participatory budgets in Tungurahua</td>
</tr>
<tr>
<td>38</td>
<td>Patrick Kaltenrieder, Edy Portmann, Sara D’Onofrio</td>
<td>Enhancing Multidirectional Communication for Cognitive Cities</td>
</tr>
<tr>
<td>44</td>
<td>Hugo Javier Fuentes Castro, Tomas Orozco La Roche</td>
<td>Best Practices to Foster a National Information Technology Industry</td>
</tr>
<tr>
<td>49</td>
<td>Romel Tintin, Maritza Vela, Viviana Ainzules, Vinicio Escobar</td>
<td>Smart Cities and Telecommuting in Ecuador</td>
</tr>
<tr>
<td>54</td>
<td>Jonathan Wheatley</td>
<td>The Use VAA-Generated Data to Identify Ideological Dimensions: The Case of Ecuador</td>
</tr>
<tr>
<td>61</td>
<td>Vasilis Manavopoulos, Uwe Serdült, Fernando Mendez</td>
<td>Homophily Among VAA Users: the case of Ecuador</td>
</tr>
<tr>
<td>67</td>
<td>Johemir Martinez, Romel Tintin</td>
<td>Modern use of ICTs as tools for support in social research. Study case BANDES-Venezuela in Ecuador</td>
</tr>
<tr>
<td>73</td>
<td>Huber Nieto-Chaupis</td>
<td>Prospects and Expectations of eHealth Services in North-Lima from Mathematical Modeling and Computational Simulation</td>
</tr>
<tr>
<td>77</td>
<td>Jelena Mirkovic, Eva Skipenes, Ellen Christiansen, Haakon Bryhni</td>
<td>Security and privacy legislation guidelines for developing Personal Health Records</td>
</tr>
<tr>
<td>85</td>
<td>Silvia Nathalia Ochoa, Julia Ysabel Talavera, Julio Manuel Paciello</td>
<td>Applying a geospatial visualization based on USSD messages to real time identification of epidemiological risk areas in developing countries</td>
</tr>
<tr>
<td>90</td>
<td>Linda Mhadhibi, Jalel Akaichi, Mohamed Hedi Karray, Bernard Archimde</td>
<td>Ontologies for Location Based Services Quality Enhancement: The Case of Emergency Services</td>
</tr>
<tr>
<td>98</td>
<td>César Alfaro, José M. Lavin, Javier Gómez, David Ríos Insua</td>
<td>ePBPM: A graphical language supporting interoperability of participatory process</td>
</tr>
</tbody>
</table>
Kao, Chiang
Evaluation and improvement of e-government: The case of European countries

**eJustice, eEducation and Collaborative Learning**

Jesús Cano, Carlos E. Jiménez, Roberto Hernández, Salvador Ros
New tools for e-Justice: legal research available to any citizen

Rosa Navarrete, Sergio Luján-Mora
Evaluating findability of Open Educational Resources from the perspective of users with disabilities: A preliminary approach

Cintya de la Nube Aguirre Brito
Augmented Reality applied in Tourism Mobile Applications

**Policy Issues and Participatory Governance**

Uwe Serdült, Micha Germann, Fernando Mendez, Alicia Portenier, Christoph Wellig
Fifteen Years of Internet Voting in Switzerland. History, Governance and Use

Jaime Albuja, Andrés Navas, David Paguay, Andrea Moreno, Pablo Nájera
Technological GINI: a study of the inequality in Ecuador

**List of Authors**