# Conference Program

**Intelligent Government in the Intelligent Information Society**

**DG.O 2020**

Virtual Conference Platform: [https://discord.com/](https://discord.com/)

**June 15 – 19, 2020**

<table>
<thead>
<tr>
<th></th>
<th>15-Jun</th>
<th>16-Jun</th>
<th>17-Jun</th>
<th>18-Jun</th>
<th>19-Jun</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plenary keynote</strong></td>
<td><strong>Dr. Kate Hohman and Dr. Robert J. Domanski</strong></td>
<td><strong>Prof. Jane Fountain</strong></td>
<td><strong>Prof. Marjin Janssen</strong></td>
<td><strong>Prof. Yelena Yesha</strong></td>
<td><strong>Prof. J. Ramon Gil-Garcia</strong></td>
</tr>
<tr>
<td><strong>Paper Sessions</strong></td>
<td><strong>Social media 1</strong></td>
<td><strong>Org. factors 1</strong></td>
<td><strong>Social media 2</strong></td>
<td><strong>Org. factors 2</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Smart cities 1</strong></td>
<td><strong>Data-driven society 1</strong></td>
<td><strong>Smart cities 2</strong></td>
<td><strong>Data-driven society 2</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Beyond bureaucracy</strong></td>
<td><strong>Artificial intelligence 1</strong></td>
<td><strong>Measurement</strong></td>
<td><strong>Innovation</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Governance of technologies and data</strong></td>
<td><strong>Artificial Intelligence 2</strong></td>
<td></td>
<td><strong>Open Government</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Special session</strong></td>
<td><strong>Tutorial 1</strong></td>
<td><strong>Tutorial 2</strong></td>
<td><strong>Workshop 1</strong></td>
<td><strong>Workshop 2</strong></td>
<td><strong>Workshop 3</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Poster 1</strong></td>
<td><strong>Poster 2</strong></td>
<td><strong>Poster 3</strong></td>
<td><strong>Poster 4</strong></td>
<td><strong>Poster 5</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Panel 1</strong></td>
<td><strong>Panel 2</strong></td>
<td><strong>Panel 3</strong></td>
<td><strong>Panel 4</strong></td>
<td><strong>Panel 5</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Members meeting</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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June 15, 2020

Keynote Speech: Dr. Kate Hohman and Dr. Robert J. Domanski
- Pandemic Response and Digital Government: Insights from New York City

Tutorial 1 (Chairs: Drs. Wookjoon Sung and Loni Hagen)
- Loni Hagen. Teaching Data Science to Social Sciences and Humanities Students*
  *Please note that this is a LIVE tutorial session, staring at 9 am EST. It will be recorded and the recorded version will be available on Discord after the session.

Poster 1 (Chair: Dr. Jisung Yoo)
- Soon Ae Chun, Chih-Yuan Li, Amir Toliyat and James Geller. Tracking Citizen’s Concerns during COVID-19 Pandemic
- Seungyoon Shin, Dongwook Kim and Soon A. Chun. Transparency in Local Governments in Korea
- Sunyoung Pyo. Are Body-worn Cameras Effective in Decreasing Police-involved Deaths? Evidence from U.S. Local Police Departments

Panel 1 (Chairs: Dr. Kwangho Jung and Taewoo Nam)
- Jooho Lee and Jing Shi. Citizens’ Use of E-government and E-participation Applications and Public Values in Korea and China
June 15 – 19, 2020

June 16, 2020

**Keynote Speech:** Dr. Jane Fountain

- The Moon, the Ghetto and Artificial Intelligence: Enacting Digital Government

**Social Media and Government** (Chairs: Drs. Andrea Kavanaugh, Rodrigo Sandoval-Almazan, and Ignacio Criado)

- Sardar Ilyas, Zainab Soomro, Ahmed Anwar, Hamza Shahzad and Ussama Yaqub. *Analyzing Brexit’s Impact Using Sentiment Analysis and Topic Modeling on Twitter Discussion*
- Catherine Dumas. *Electronic Petitioning as Online Collective Action: Exploring the Systematic and Strategic E-petitioning Behavior of an Extremist Group in We the People*
- Banghui Zhang, Yonghan Zhu and Guitao Kou. *E-government use via social media as a tool to influence young people’s trust in government: An empirical study in a Chinese Municipality*

**Smart Cities: Intelligent Innovation and Transformation** (Chairs: Drs. Leonidas Anthopoulos, Wookjoon Sung, Soon Ae Chun)

- Vasja Roblek and Maja Meško. *Smart City Knowledge Management: Holistic Review and the Analysis of the Urban Knowledge Management*
- Djoko Sigit Sayogo, Sri Budi Cantika Yuli and Wi yono. *Determinants of Smart Library Readiness in Indonesia*
- Sabinne Lee and Kwangho Jung. *The Impact of Changing Public Service Delivery on Inappropriate Payment Error: From Analogue Paper Coupon to Digitalized Electronic Benefit Transfer System*


- Alois Paulin. *An Overview of Ten Years of Liquid Democracy Research*
- Seok-Jin Eom, Jun Houng Kim and Hanchan Hwang. *E-petition and Citizen Engagement in Turbulence: A Case of E-petition on the Blue House Website in Korea*

**Governance of Technologies and Data in Social Innovations** (Chairs: Loni Hagen, Iryna Susha, Efthimios Tambouris)

- Sukumar Ganapati. *Blockchain Legislations in the U. S. State Governments*

**Tutorial 2** (Chairs: Drs. Wookjoon Sung and Loni Hagen)

- Vijay Atluri, Yuan Hong and Soon Ae Chun. *Security, Privacy and Trust for Responsible Innovations and Governance*
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**Poster 2** (Chair: Dr. Jisung Yoo)

- Ahmed Anwar and Ussama Yaqub. *Bot Detection in Twitter Landscape Using Unsupervised Learning*
- Teryn Cha. *Open Government Data for Machine Learning Tax Recommendation*
• Boriana Rukanova, Suzanne Post, Yao Hua Tan, Jonathan Migeotte, Micha Slegt, Susana Wong and Juha Hintsa. The Role of Public Funding in the Initiation and Upscaling of Collective Innovation Trajectories

Panel 2 (Chairs: Drs. Kwangho Jung and Taewoo Nam)
• Kim Normann Andersen, Jungwoo Lee and B. Joon Kim. Smart Cities at a Cross Road? How South Korea is Balancing Safety, Creativity, Innovation, Economic Growth, and Sustainability
June 17, 2020

Keynote Speech: Dr. Marijn Janssen
• Developments in Open government

Digital Government Society Members Meeting (Chair: Luis F. Luna-Reyes)

Organizational Factors, Adoption Issues and Digital Government Impacts (Chairs: Drs. Jing Zhang, Lei Zheng, Chris Hinnant)
• Eduardo Cidres, André Vasconcelos and Filipe Leitão. Cloud Calculator: A Cloud Assessment Tool for the Public Administration
• Djoko Sigit Sayogo, J. Ramon Gil-Garcia and Sri Budi Cantika Yuli. Determinants of Cross-boundary Information Sharing Success: Comparing Intra-agency, Inter-agency, and Cross-sectoral Collaboration Initiatives

Data-driven Society: Balancing Prosperity and Security (Chairs: Drs. Hun-Yeong Kwon, Ki-Yeong Min, Michael Reiterer)
• Paul F. Langer. The Formation of Social Credit Systems - Profiling, Reputation Scoring, Social Engineering
• Renato Carauta Ribeiro and Edna Dias Canedo. Using MCDA for Selecting Criteria of LGPD Compliant Personal Data Security
• Artur Potiguara Carvalho, Fernanda Potiguara Carvalho, Edna Dias Canedo and Pedro Henrique Potiguara Carvalho. Big Data, Anonymisation and Governance to Personal Data Protection

Artificial Intelligence for Innovating Smart and Open Governments (Chairs: Drs. Sehl Mellouli, Adegboyega Ojo, Marijn Janssen)
• Helen K. Liu, Muhchyun Tang and Kuang-Hua Chen. Public Decision Making: Artificial Intelligence or Crowds?
• Thomas Vogl. Artificial Intelligence and Organizational Memory in Government: The Experience of Record Duplication in the Child Welfare Sector in Canada

Artificial Intelligence Challenges and Implications for Public Management and Policy (Chairs: Michael Ahn, Yu-Che Chen, Albert Meijer)
• David Valle-Cruz, J. Ramon Gil-Garcia and Vanessa Fernandez-Cortez. Towards Smarter Public Budgeting? Understanding the Potential of Artificial Intelligence Techniques to Support Decision Making in Government
• Michael Ahn and Yu-Che Chen. Artificial Intelligence in Government: Potentials, Challenges, and the Future

Workshop 1 (Chairs: Drs. Wookjoon Sung and Loni Hagen)
• Mariana Lameiras, Soumaya Ben Dhaou and Delfina Sá Soares. Evidence-based research for Intelligent Governments: Lessons learned from the Justice system

Poster 3 (Chair: Dr. Jisung Yoo)
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- Valentyna Tsap, Silvia Lips and Dirk Draheim. *eID Public Acceptance in Estonia: Towards Understanding the Citizen*
- Aida Stelter, Constantin Kaping, Frederike Marie Oschinsky and Bjoern Niehaves. *Theoretical Foundations on Technology Acceptance and Usage in Public Administrations - Investigating Bounded Acceptance and Usage of New Technology by Employees*

Panel 3 (Chairs: Dr. Kwangho Jung and Taewoo Nam)
June 18, 2020

**Keynote Speech:** Dr. Yelena Yesha

- Using Blockchain to Empower Digital Government
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**Social Media and Government** (Chairs: Drs. Andrea Kavanaugh, Rodrigo Sandoval-Almazan, and Ignacio Criado)

- Julián Villodre and J. Ignacio Criado. Analyzing social media institutionalization in public administration. The role of inhibitors in local governments
- Andrea Kavanaugh, Ziqian Song, Luqing Li, Bethany Hsiao and Edward Fox. **Too Small to Fail: Information sharing behavior in US Municipal Elections**

**Smart Cities: Intelligent Innovation and Transformation** (Chairs: Drs. Leonidas Anthopoulos, Wookjoon Sung, Soon Ae Chun)

- Anthony Simonofski, Stefanie Van Den Storme and Hanne Meers. **Towards a Holistic Evaluation of Citizen Participation in Smart Cities**
- Sahng-Yoon Kim, Seung Jae Jeon and Hun Yeong Kwon. **Smart City, Net Neutrality, and Antitrust: Findings from Korea**
- Yannis Charalabidis, Euripidis Loukis, Charalampos Alexopoulos, Nikolaos Vogiatzis and Dimitrios Kolokotronis. **Convergence and Divergence Between Municipalities and Citizens about Smart City Actions’ Priorities**
- Soon Ae Chun, Roshan Singh, Pamela Morgan, Nabil Adam and Vijay Atluri. **Visual Analytics for Global Migration Policy Discovery and NGO Collaboration**

**Development and Measurement of Intelligent Government Index** (Chairs: Choong-sik Chung, Dongwook Kim)

- Morten Meyerhoff Nielsen and Jeremy Millard. **Local Context, Global Benchmarks: Recommendations for An Adapted Approach Using the UN E-Government Development Index as An Example**
- Kim Normann Andersen, Jungwoo Lee, M Jae Moon and Tobias Mettler. **Ten Misunderstandings about Maturity Models**
- Wookjoon Sung, Kil Pyo Hong, Younghun Cho and Hanbyul Choi. **Development of Intelligent Information Index Model for Local Government in Korea**

**Workshop 2** (Chairs: Drs. Wookjoon Sung and Loni Hagen)

- Gael Van Weyenbergh and Alois Paulin. **Networked Governance: Enabling Multistakeholder Cooperation**

**Poster 4** (Chair: Dr. Jisung Yoo)

- Mikhail Bundin and Aleksei Martynov. **Policy & Regulation Against Fake News: Case of Russia**
- Tung-Mou Yang and Yi-Jung Wu. **Assessing the Open Data Maturity of Government Agencies Having Different Years of Implementation Experience: A Study in Taiwan**
- Aida Darmenova, Zhanli Mamytkova and Kim Normann Andersen. **Open Data Against All Odds: How Institutions Manage**
• Yumeng Luo. *Government, Citizen, and Social Media: Understanding Police-Citizen Interaction on Weibo in China*

Panel 4 (Chairs: Dr. Kwangho Jung and Taewoo Nam)
• Michael Ahn, Yu-Che Chen, Seunghwan Myeong, Kihaing Cho, Younhee Kim and Chengyu Huang. *Toward Effective and Sustainable Smart City Model: Case Study Exploration of Varying Smart City Approaches and Outcomes*
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Keynote Speech: Dr. J. Ramon Gil-Garcia
- Revisiting the Smart State: Two Stories about Information Sharing and Smartness and a Few Reflections about the Future of Digital Government

Organizational Factors, Adoption Issues and Digital Government Impacts (Chairs: Drs. Jing Zhang, Lei Zheng, Chris Hinnant)
- Seunghwan Kim and Wookjoon Sung. Can People with Disabilities Use the Mobile Internet if They Want to?

Data-driven Society: Balancing Prosperity and Security (Chairs: Hun-Yeong Kwon, Ki-Yeong Min, Michael Reiterer)
- Wendy van Donge, Nitesh Bharosa and Marijn Janssen. Future Government Data Strategies: Data-driven Enterprise or Data Steward?: Exploring definitions and challenges for the government as data enterprise

Innovation of Public Service Design and Delivery in an Era of Intelligent Government (Chairs: Kwangho Jung and Hyunsuk Kum)
- Nitesh Bharosa, Koen Meijer and Haiko van der Voort. Innovation in Public Service Design

Open Government Data – Maturity and Sustainability (Chairs: Tobias Siebenlist, Christine Meschede)
- Sounman Hong. Electoral Competition and Transparency of Government Data

Workshop 3 (Chairs: Drs. Wookjoon Sung and Loni Hagen)
- Mariana Lameiras. Discussing challenges and limitations of an experimental research design to test trust in local e-government

Poster 5 (Chair: Dr. Jisung Yoo)
- Roshan Singh, Soon Ae Chun and Vijay Atluri. Developing Machine Learning Models to Automate News Classification
- Tung-Mou Yang and Meng-Chia Wu. An Exploration of Factors Influencing Taiwan Government Agencies’ Open Data Participation: A Multi-Group Analysis Perspective
- Fernando Ortiz-Rodriguez, Ruben Barrera, Vicente Villanueva, José Melchor Medina and Anuar Gauna. APPVISO: Citizen Digital Communication to Prevent Risk Events in Real Time
- Brian M. Poltie, Emmanuel Udoh and Luis F. Luna-Reyes. Understanding Smart City Projects
Panel 5 (Chairs: Dr. Kwangho Jung and Taewoo Nam)

- Yannis Charalabidis and Zoi Lachana. *Towards a Science Base for Digital Governance*