dg.o 2019:
20th Annual International Conference on Digital Government Research
(Updated on Nov. 30, 2018)

Theme: Governance in the Age of Artificial Intelligence
Mohammed Bin Rashid School of Government
Dubai, UAE, June 18-20, 2019

Conference Website: http://dgsoc.org/dgo-2019/

Paper Submissions: https://easychair.org/conferences/?conf=dgo2019

Updates to this CfP will be posted here: https://easychair.org/cfp/dgo2019

The Digital Government Society (DGS) will hold the 20th Annual International Conference on Digital Government Research - dg.o 2019, with a theme "**Governance in the Age of Artificial Intelligence**". dg.o 2019 will be hosted by the Mohammed Bin Rashid School of Government (formerly the Dubai School of Government), Dubai, United Arab Emirates on 18-20 June, 2019. The dg.o conferences are an established forum for presentation, discussion, and demonstration of interdisciplinary research on digital government, political participation, civic engagement, technology innovation, applications, and practice. Each year the conference brings together scholars recognized for the interdisciplinary and innovative nature of their work, their contributions to theory (rigor) and practice (relevance), their focus on important and timely topics and the quality of their writing.

THEME & TRACK TOPICS:

The 20th Annual International Conference on Digital Government Research will feature the main theme of "**Governance in the Age of Artificial Intelligence**". The growing applications of Artificial Intelligence (AI) are triggering numerous opportunities—as well as challenges and dilemmas—for governments worldwide. Traditional forms of service provisioning, policy-making and enforcement are changing due to the inclusion AI algorithms, mechanisms and techniques. The growing digitization of government operations, the universal datafication of societal activities, behaviors and sentiments, as well as the maturity and feasibility of big data techniques and applications have collectively laid down solid foundations for industrial-scale operationalization of AI across most governments and societal sectors. This year's timely theme, builds on the dg.o 2018 conference which focused on governance in the data age. The rapid growth of the data-driven economy and the use of intelligent mechanisms result in rapid digitalization of government operations and the emergence of new governance structures. This datafication and AI revolution is boosted by growing smart cities applications, Internet of Things (IoT), social media, mobile apps, among other sources of big data.

Governments still face limited understanding of the multifaceted changes brought about by the advent of AI in governance. An increasing number of governments, international organizations, leading research centers, think tanks and global private sector corporations are coming together to explore these changes. However, there is a dearth of thought-leadership in the areas of policy, development and societal implications of AI. This knowledge gap is a key developmental barrier as many governments wrangle with the societal, economic, political and ethical implications of these transformations.

During the past two decades, the dg.o conference has been at the helm of the digital governance transformations. In its 20th anniversary, the dg.o 2019 conference will build in past themes to explore the fast maturing artificial intelligence drive embraced by an increasing number of governments and businesses worldwide.

Finally, the dg.o 2019 will be held at the MBR School of Government in Dubai, UAE. The UAE government has officially acknowledged the importance of AI in government operations, economic and societal development. For example, on the strategic level, the UAE government has issued the national "UAE Artificial Intelligence Strategy". On the organizational level, it has also appointed a "Minister of State of Artificial Intelligence", a global first, who is tasked with coordinating the government's AI efforts and driving the government's AI agenda. On the global level, the UAE is also proactively contributing to the global agenda addressing the multi-faceted implications of these transformations. For example, the government has recently introduced its "Fourth Industrial Revolution" agenda and took the lead on putting together a council to address the manifestations of the fourth industrial revolution and its impact on society and economy, it is leading a global blockchain council, while convening a global AI expert group of practitioners and thought-leaders. These developments align well with the conference theme, and will increase the impact of the knowledge created during the conference on policy, whether through the tracks, workshops, submission, and discussions.

IMPORTANT DATES

- January 15, 2019: Papers are due
- January 20, 2019: Workshops, tutorials, and panel proposals due
- March 1, 2019: Application deadline for 2019 doctoral colloquium
- March 1, 2019: Notifications of acceptance
- March 15, 2019: Posters and demo proposals due
- April 1, 2019: Doctoral colloquium notification
- April 5, 2019: Poster/demo author notifications
- April 10, 2019: Camera-ready manuscripts due
- May 10, 2019: Early registration closes

TRACK 1. Data Analytics for Public Policy and Services
Track Chairs: Akemi Takeoka Chatfield (akemi@uow.edu.au), Christopher G. Reddick, Gabriel Puron-Cid

Open and big data analytics in government aims at discovering patterns, insights and trends that could provide the government with actionable intelligence necessary to make multifaceted changes to the existing public administration and public services. Effective and innovative use of open and big data analytics can positively impact government's operations, public service delivery, and relationships with citizens. The government data and analytics landscape is rapidly changing in part due to the growing adoption of open data, social media, Internet of Things (IoT), artificial intelligence, blockchain, and cloud computing in government.

To date, data analytics in government have been deployed to fight fraud and abuse in tax and welfare benefits services, develop safer and more efficient public transportation, fight crimes and reduce operational costs as well as to predict disaster impacts in the local government areas and epidemic spreading across national borders. Despite the growing anecdotal evidences and practices in this domain, there is still the paucity of digital government research that links the use of open and big data and analytics in government

to generating actionable intelligence in public policy and services that may enhance public value creation.

TRACK 2: Open Government Innovations
Track chairs: Mila Gasco-Hernandez (mgasco@ctg.albany.edu), Fatemeh Ahmadi Zeleti, Marijn Janssen

Governments around the world have taken up the challenge of opening their data to achieve an open, transparent and accountable government while enabling data-driven innovation and improvement of citizens' services and quality of life. Opening more datasets will help identify potential biases and fraud, lead to more competition between potential service providers, ensure more quality public services, and increase citizen trust in government. At the same time institutional changes are necessary to fully become an open government and processes and procedure should be in place.

Open data technologies are more and more complemented by data analytics and artificial intelligence (AI) techniques. AI is reshaping our world and is currently enjoying a renaissance in industry and, becomes the hottest item on the agendas of many governments. AI innovation is already transforming the way governments operate, make decisions, and deliver public services. For this, we should take steps to ensure this is done in a more effective and transparent way that reassures citizens that these systems will produce fair outcomes, as well as higher quality services (e.g. by making the underlying data on how AI systems make decisions available). Therefore, extensive transformations are required within the government as in the way governments provide to and engage with the public and other stakeholders. To successfully achieve this vision, fundamental changes in practice and new research on approaches and mechanisms necessary for fostering AI innovation and implementation by governments for a greater transparency, accountability, service delivery, and citizen's trust are needed.

TRACK 3: Smart Cities in the Age of AI
Track chairs: Soon Ae Chun (Soon.Chun@csi.cuny.edu), Leonidas Anthopoulos, Dongwook Kim

Industry 4.0 technologies, combined with open data, are pushing cities to become smarter and intelligent cities, promising to create an innovative physical, social and economic environment to improve quality of life for citizens and to bring disruptive transformations in governance. The rapid proliferation of intelligent machines, backed by advanced AI models, Big Data, ubiquitous sensors and IoT devices, can create self-responsive and self-evolving services but raise questions about the scope of city transformation and about the role of governments and citizens in their daily operations and interactions. For instance, faster Big Data processing and more secure decision making are required by governments in their role to enhance the local social good; but more sophisticated and collaborative intelligent machines need to be carefully governed to achieve fair and responsible innovations for citizens and businesses. This track invites research results and practices of smart cities in the era of intelligent algorithm-driven automation and emerging cognitive robots.

Topics include, but are not limited to, smart city platforms, smart city implementation strategies and success indicators; smart government; smart city service innovations and impacts; smart digital citizen identity; citizen's behavior modeling; citizen engagement, industry 4.0 technologies; digital transformation, smart and connected communities; governance and policy issues of intelligent machines and man-machine interactions;

security, ethics and privacy issues; novel sharing and interactions in intelligent cities; smart city infrastructure and standards; applications and collaborations based on the IoT and, smart sensors; Big Data analytics; civic technology movement, and intercity and intergovernmental collaborations; Machine learning, Deep Learning, AI, Blockchain, AR/VR and Robotics for cities and governments.

TRACK 4: Beyond Bureaucracy: Ethics of Bureaucracy and New Models of Governance
Track chairs: Alois Paulin (alois@apaulin.com), Adeyinka Adewale, Zach Bastick

The proposed "Beyond Bureaucracy" track aims to outline and discuss challenges along the boundaries of society, technology, and governance, which reach beyond established e-governance / e-democracy research paths and priorities. Where well-established research ambitions in fields such as e-government / e-governance / e-democracy focus on providing and/or studying technology that supports the work and mission of government agencies and governmental / political agents, "Beyond Bureaucracy" addresses the question how technology can empower citizens and the conceptual sovereign-body to *actively control* (rather than passively observe) public-domain agencies and -agents. The Beyond Bureaucracy track aims to outline the pending technological (design science) challenges, promotes the *economic potentials* of new technological ecosystems, discusses ethical implications of existing and potential future models of public governance, and serves as a platform for pro/con deliberations on Beyond Bureaucracy thought and knowledge.

TRACK 5: Artificial Intelligence for Good
Track chairs: Sehl Mellouli (sehl.mellouli@sio.ulaval.ca), Adegboyega Ojo

Artificial intelligence (AI) represents a new research trend for Governments. It brings new techniques and tools such as machine learning, natural language processing, or robotics and that can be applied to different domains such as transport, healthcare, security, or energy. With the advantages that AI can bring, governments are paying more and more attention to this technology. In particular, AI has significant potentials to reduce the administrative burden associated with interactions between citizens and public administrations and in enabling the design and implementation of highly personalized intelligent services that positively impact citizen satisfaction. AI solutions based on analysis of the data collected from citizens can be exploited to deliver a range of services using technologies such as Robotic Process Automation (RPA) for pre-populating forms, automating translations, request routings and handling of citizen enquiries. Other AI solutions based on conversational Chatbots could be used to provide assistance to citizens in navigating online service portals. Public administrations have also deployed solutions based on advanced data analytics and deep learning to uncover unusual patterns in social welfare services claims. Despite this advance, application of AI technologies in the government and society is still in its infancy. For example, while AI solutions such as RPA and Chatbots are increasingly being used in the back-offices of a number of public agencies, the deployment of these technologies in direct citizen interactions at the front office will take a few years. This track aims to attract contributions that will investigate how AI can be used in governments at different levels and what AI can add to governments. Besides research papers, practical papers reflecting success and failures of practical applications of AI are very welcome.

TRACK 6: Blockchain and Transformational Government
Track chairs: Svein Ølnes (svein.olnes@vestforsk.no), Jolien Ubacht, Ramzi El-Haddadeh,

and Lemuria Carter

In the past few years, researchers and practitioners have highlighted the potential of Blockchain (BC) and distributed ledger technology to revolutionize government processes. Blockchain technology enables distributed power and embedded security. As such, Blockchain is regarded as an innovative, general purpose technology, offering new ways of organization in many domains, including e-government for transactions and information exchange. However, due to its very characteristics of peer to peer information exchange, its distributed nature, the still developing technology, the involvement of new actors, roles, etc., the implementation of blockchain applications raise issues that need governance attention.

On the one hand, governments explore BC applications for their own processes. Agencies across the globe have launched blockchain initiatives and Task Forces to transform public sector services and procedures. These initiatives have implications for citizen trust, privacy, inclusion and participation. Piscini et al. (2016) state "some organizations are exploring how blockchain, the backbone behind bitcoin, might provide a viable alternative to the current procedural, organizational, and technological infrastructure required to create institutionalized trust. Though these exploratory efforts are still nascent, the payoff could be profound. Like the Internet reinvented communication, blockchain may similarly disrupt various governments operations." On the other hand, governmental organizations also need to address the limitations and challenges of BC as an innovation that potentially has far reaching consequences in society. This requires a thorough understanding of the BC design principles, the possible applications in the domain of e-government and the exploration of governance mechanisms to deal with the limitations and challenges of the BC technology when used in a myriad of sectors, ranging from the financial and business sector to the social domains of healthcare and education.

TRACK 7. From Data Intelligence to Data Impacts: Tackling Public Problems with Data
Track chairs: Iryna Susha (Iryna.susha@oru.se), Efthimios Tambouris, and Yushim Kim

Governments are experimenting with using different data – open/closed, big/small, public/private etc. – for improving their services to citizens, solving policy problems, and informing their decisions. As much of relevant data and data expertise reside outside the government realm, governments are more than ever required to work together with different actors in other sectors – businesses, non-government organizations, academia, citizens etc. There are however diverse challenges to acquire and access the right data and transform data insights into positive results on the ground. This has to do with making sense of the insights, overcoming data bias, mitigating data risks, ensuring legitimacy, fostering trust, to name a few. This track solicits research papers, case studies, policy papers focusing on the role of data and its use to improve citizens' lives by addressing issues in organizations, communities, and societies. We invite research from a wide spectrum of disciplines and approaches inquiring into the socio-technical, organizational, regulatory, societal, ethical and other aspects of data.

TRACK 8: Social Media and Government
Track chairs: Andrea Kavanaugh (kavan@vt.edu), Rodrigo Sandoval-Almazan

Future trends in social media and government point to new synergies, as well as disruptions, among public agencies and users. The use of social media tends to improve the delivery of online services as a result of personal communication with users, among

other factors. But such use may also decrease interaction with segments of a population that previously benefited from face-to-face or phone contact, such as the elderly. There is emerging evidence that the use of social media for political participation is not as strongly correlated with higher socio-economic status as the use of traditional Internet (i.e., email and web browsing) for political participation. That is, social media seem to broaden and diversify participation in collective problem solving and governance beyond the well-educated, higher income citizens, to a more latent, but still informed and interested public. Since social media support discussion among users' existing social networks, among others, they facilitate exchange among trusted family members, friends, and interest groups. Such exchanges may tend to resemble echo chambers, but there is also counter-evidence that users are exposed to a mix of perspectives via social media.

Citizens use social media for a diversity of purposes (i.e., uses and gratifications) in their daily lives, whether work-related, civic-minded, or personal, including staying informed and private or group interactions on Facebook. Many users of social media may not be aware of the (technical) mechanisms to protect their own privacy, consequently this leads to the blurring of the concept of private and public space and raises ethical issues about personalization and e-profiling. Other users, such as the digital natives, are more aware of the mechanisms to protect their privacy, but may discount the consequences of e-profiling and its use by government or business. The research questions raised include the role of government in mitigating negative externalities and other consequences of online participation and the appropriateness or adequacy of checks and balances on governance processes intended to protect citizens and non-governmental organizations.

TRACK 9: Maturity and Sustainability of Open Governmental Data
Track chairs: Tobias Siebenlist (tobias.siebenlist@uni-duesseldorf.de) and Agnes Mainka

All over the world, the shift to a digital government is on its way. Citizens get access to an increasing number of governmental data sets provided by public authorities on more or less centralized platforms. Most European countries have developed a national open data portal, world-wide more than 2,600 open data portals exist (Open Data Inception). More and more municipalities are also starting activities relating to open data.

Providing open data sets through open data portals is not enough. To achieve a lasting solution for the administration as well as for citizens maturity and sustainability of Open Governmental Data (OGD) are viable factors. Maturity can be measured for example based on a five-stage model with the following stages: information - dissemination/catalogue, two-way communication, service and financial transaction, vertical and horizontal integration, political participation (Moon, 2002) or based on the two key indicators Open Data Readiness and Portal Maturity (Carrara, Nieuwenhuis & Vollers, 2016). Using these models, the state of maturity can be measured and open data providers categorized regarding their open data activities. Sustainability on the other hand can be investigated following the recommendations by Sasse et al. (2017). An analysis of the interviews they carried out gives an overview about criteria for sustainable open data usage, which are mainly: governance frameworks, funding, open source software and portability, reports for a reliable data supply and metrics for measuring progress. Besides these specialized models and recommendations, the 5-star deployment scheme for open data from Berners-Lee (http://5stardata.info) can be seen as a general scheme for the improvement of the provision of open data. Another perspective is the usage of Open Governmental Data for sustainable development. The United Nations adopted the Sustainable Development Goals (SDGs) in 2015, which consist of 17 specific goals to end poverty, protect the planet and ensure prosperity for all. Open Governmental Data can be used to measure the progress of achieving the goals on different administrative levels.

Maturity and sustainability promote each other. Artificial intelligence requires reliable data to function (European Data Portal, 2018). If maturity and sustainability are given,

applications can be built on this solid basis, for example in the smart city area, and existing open governmental data can be analyzed. In the area of analysis, artificial intelligence can be used to make predictions about future developments and usage patterns. The importance of these factors grows as more and more open data sets are published, new portals are set up and existing solutions are maturing. The diversity of both factors facilitates a broad range of aspects that can be covered within this session.

TRACK 10. Organizational Factors, Adoption Issues and Digital Government Impacts
Track Chairs: Jing Zhang (JIZhang@clarku.edu), Michael Ahn, and Lei Zheng

Public organizations employ information and communication technologies (ICTs) to facilitate communication and transactions with many stakeholders such as residents, private sector businesses, non-profit organizations, and other government agencies. The adoption and implementation of new ICTs by public organizations is influenced by organizational factors such as the availability of resources (i.e. funding, infrastructure, technological knowledge, and personnel), leadership, trust, stakeholder involvement, organization's structure and culture, as well as inter-organizational dynamics if the initiative cut across multiple organizations. Similarly, the adoption of ICTs in government and society has generated important impacts on the organizational processes, effectiveness, and innovativeness of public organizations. In this context, this track solicits research that examines the organizational factors that influence the adoption and implementation, and impact of new and emerging innovative technologies such as smart governance, open data, social media, citizen-centric technologies, virtual collaborative work platforms, artificial intelligence, and other novel technologies that rely on open and large data sets. Furthermore, this track seek research on the adoption of innovative policies or practices that seek to facilitate the strategic use of various ICTs by public organizations.

TRACK 11: The Ethics of Artificial Intelligence: Implications for Digital Government
Track chairs: Robert J. Domanski (rdomanski@sbs.nyc.gov), Teresa M. Harrison, Evgeny Styrin

Artificial intelligence, data science, and associated computational strategies are becoming deeply integrated into nearly every aspect of public policy and government management. These strategies, encompassing integrated data sets, machine learning, predictive analytics, and others, have the potential to yield great benefits, but also pose substantial challenges to privacy, autonomy, governance, equity, and fairness. In this track, we invite scholarly papers that explore the ethics of computational strategies in digital government. The track's objectives will be to 1) identify real-world examples/cases of real or potential ethical problems, 2) seek to place such cases in the context of existing ethical frameworks for analysis, 3) create actionable recommendations for professional developers and digital government practitioners, and finally, 4) institutionalize recommendations in digital government research and practice.

TRACK 12: Contextualized Digital Government for Policy Objectives
Track chairs: Tomasz Janowski (tomasz.janowski@pg.edu.pl), Elsa Estevez, and Peter Parycek

The aim of this track is to advance the understanding of how Digital Government pursues policy-level outcomes in different institutional, sectoral or socio-economic contexts.

Of interest are, among others, the design, performance and evolution of context-specific Digital Government; determinants, mechanisms and experiences with Digital Government contextualization; contextual features that enable or disable successful context-specific Digital Government; interaction and collaboration between Digital Government in the "neighboring" contexts; Digital Government context adaptation, Digital Government context-to-context transfer; synergy between Digital Government across contexts; coordination between context-specific Digital Government to fulfil common policy objectives; Digital Government design for context versus Digital Government design for reuse, etc.

TRACK 13: Knowledge Discovery to Promote Transparency and Support E-Participation
Track Chairs: Claudia Cappelli (claudia.cappelli@uniriotec.br), Cristiano Maciel & Flavia Bernardini

Open data constitute an important source of information to bring transparency in public organizations and is a prerequisite to e-participation and e-engagement. However, manipulating, processing and interpreting the available data seems to be a task usually possible to experts in information technologies, although essential to the exercise of citizenship. In this context, Machine Learning algorithms and other Artificial Intelligence techniques may help citizens to better understand data, improving transparency. On the other hand, Artificial Intelligence techniques and methods can support other ways of e-engagement, being part of recommender and collaborative systems, and information systems for decision making processes. In this context, techniques, methods and tools for allowing e-engagement by citizens are requested. Major topics in this track involves discussing methods, techniques and tools based on artificial intelligence techniques and methods that can support or contribute to achieve e-engagement. Other issues related to this are welcome too.

Panels
Panel proposals may address themes or topics related to any of the tracks for the conference. Additionally, we welcome panel proposals that put a spotlight on practice and application. Proposals from practitioners at all levels of government featuring experiences with, perspectives on, and evaluations of digital government practice are encouraged. Individuals interested in submitting panel proposals are invited to consult the panel co-chairs about their ideas prior to developing their submissions. Please send expressions of interest for panel development to Teresa Harrison (tharrison_at_albany.edu).

Posters and Demonstrations
The poster session, held in conjunction with the system demonstrations, allows presenters to discuss research in progress, application projects, or government policies and program initiatives in one-to-one conversations with other participants at the conference.

PUBLICATIONS

All accepted management or policy papers, research papers, student papers, panels, posters, and system demonstrations will be published in the printed proceedings and included in the ACM digital library and the DBLP bibliography system. Selected papers will

be invited for a journal special issue. There will be several special issues related to the conference, including:

* Government Information Quarterly (GIQ)
* Journal of Theoretical and Applied Electronic Commerce Research (JTAER)
* Transforming Government: People, Process, Policy (TGPPP)
* International Journal of E-Government Research (IJEGR)
* Information Polity
* International Journal of E-Planning Research
* International Journal of Public Administration in the Digital Age (IJPADA)

BEST PAPER AWARDS

Outstanding achievement awards will be presented in the categories Research papers, Management, Case Study and Policy papers, Posters, and System demonstrations. Papers that reflect the main theme of the conference, Innovations and Transformations in Government, will be preferred. Other selection criteria include the interdisciplinary and innovative nature of the work, its contribution to and balance between theory (rigor) and practice (relevance), the importance and reach of the topic, and the quality of the writing for communicating to a broad audience.

SUBMISSION TYPES AND FORMATS

- Research papers (maximum of 10 pages)
- Management, Case Study, or Policy papers (maximum of 6 pages)
- Panel descriptions (maximum of 4 pages)
- Posters (maximum of 2 pages)
- System demonstrations (maximum of 2 pages)
- Pre-Conference tutorial proposals (maximum of 2 pages)
- Pre-Conference workshop proposals (maximum of 2 pages)
- Doctoral colloquium application (maximum of 10 pages)

Submission Site: https://easychair.org/conferences/?conf=dgo2019

Submissions must not exceed the maximum number of pages specified for each type of submission in camera-ready ACM Proceedings format (double column, single spaced pages). Please do not use page numbers. Paper titles should be on the first page of text, rather than on a separate cover page.

Research, Management, Case Study, and Policy papers will be reviewed through a double-blind review process. Therefore, author names and contact information must be omitted from all submissions. Authors must identify the topic(s) being addressed in the paper to assist the program committee in the review process.

All other submissions should follow the same ACM proceedings camera-ready format, but include author names.

All accepted submissions require at least one author to be registered for the conference before the camera-ready copy is due for it to be included in the conference proceedings. The authors of more than two papers can **register for and present at most two co-authored papers**. Third paper on, some other coauthor registration and presentation are required.

At least one author is expected to attend the conference to present the work.

Research papers (8 - 10 pages) - blind review: These submissions report innovative digital government research results in the form of a formal scholarly paper. Papers on any digital government topic and all research methodologies are welcome. Relevance to digital government problems, goals, or policies must be explicit.

Management, case study, or policy papers (4 - 6 pages) - blind review: These submissions describe and evaluate practical digital government projects or initiatives, discuss major policy themes, or present and evaluate management approaches to digital government initiatives and programs.

Panels (2 - 4 pages): *Proposals should include information about the theme and goals of* the panel, a summary of the digital government issues or questions that the panel will address, statements about the value of the discussion to conference attendees and how well suited the topic is to a panel discussion. In addition, the proposal should include information about the expertise of the moderator and panelists in the selected issues. Please include names, institutional affiliations, addresses, email, and phone contact numbers of the contact person, moderator, and presenter(s).

Posters (1 - 2 pages): *Two-page summaries should outline the nature of the research,* policy, or project and describe why the work will be of interest to dg.o attendees. Posters prepared for the conference should measure approximately 36" x 48." Each poster station is provided with a table and an easel. Selected poster submissions may be asked to give an oral presentation in the conference sessions.

System Demonstrations (1 - 2 pages): *System demonstrations are held concurrently with* the poster session to the accompaniment of good food and professional fellowship. The 2-page summaries should outline the nature of the system and describe why the demonstration is likely to be of interest to dg.o attendees. Demonstrations of interest include systems under development or in active use in research or practice domains. Submissions should include authors' names and contact information according to that format. Each station is provided with a table, an easel, and Internet access. Monitors will be available for rent. Selected demo submissions may be asked to give an oral presentation in the conference sessions.

***Pre-conference Tutorials (1 - 2 pages)*:** dg.o tutorials are half- or full-day presentations that offer deeper insight into e-government research, practice, research methodologies, technologies or field experience. In particular, tutorials provide insights into good practices, research strategies, uses of particular technologies such as social media, and other insights into e-government that would benefit researchers and practitioners.

***Pre-conference Workshops (1 - 2 pages)*:** We invite workshop proposals on any e-government research or management topic. Workshops are half- or full-day events intended to offer interactive sessions, in which the workshop host and participants discuss and engage in activities designed to facilitate joint learning and further exploration of a particular subject. Individuals proposing workshops will assume the responsibility of identifying and selecting participants for the workshop and for conducting workshop activities.

***Doctoral Colloquium (7 - 10 pages, not including references, tables and figures)*:** The doctoral colloquium is a highly interactive full-day forum in which Ph.D. students meet and discuss their work with each other and with senior faculty from a variety of disciplines associated with digital government research. Ph.D. students can submit papers describing their planned or in-progress doctoral dissertation covering any research areas relevant to digital government. Ideally, student participants will have completed one or two years of doctoral study or progressed far enough in their research to have a structured proposal idea and preliminary findings, but have not reached the stage of defending their dissertations. We expect students at this stage of study will gain the most value from feedback on their work and the more general discussions of doctoral programs and scholarly careers. See the detailed announcement for complete information on the colloquium and how to submit an application. Material provided in applications to the doctoral colloquium will not be published in the proceedings. However, we encourage students to submit finished research to one of the paper tracks or as a poster or demo.

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