CALL FOR CHAPTER PROPOSALS
Proposal Submission Deadline: 1st March 2020

Scientific Foundations of Digital Governance and Transformation
Concepts, Approaches and Challenges

A book to be published by Springer Publications, edited by:

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Introduction

Digital Governance refers to the phenomenon where administrations, enterprises and citizens utilize information and communication technologies (ICT) to a great extent, aiming at advanced levels of service provision quality, openness and transparency, collaboration and evidence-based decision making for enhancing the quality of living and promoting sustainable development.
During the last decades, Digital Governance has been recognized as a well-established application domain studying the problems related to the needs of public sector operation and proposing novel methods and frameworks for enhancing service quality through the use of ICT. Substantial progress has been made through EU and national funded research in a number of areas, yet the lack of scientific foundations in the Digital Governance domain seems to hinder unlocking its real transformative value and full potential to all stakeholders, from researchers to industry and SMEs. Providing such a scientific background would document the existing knowledge and open the pathway for systematic and reproducible solutions to identified problems, without the danger of repeating research or missing opportunities for application.

**Objective of the Book**

This title aims at providing the latest research advancements and findings for the scientific systematization of the Digital Governance and Transformation knowledge, such as core concepts, foundational principles, theories, methodologies, architectures, assessment frameworks, educational programs and future directions. It will bring forward the ingredients of this new domain, proposing its needed formal and systematic tools, exploring its relation with neighboring scientific domains and finally prescribing the next steps for eventually achieving the thrilling goal of laying the foundations of a new science.

This book is an activity stemming from Government 3.0 Erasmus+ project ([www.gov30.eu](http://www.gov30.eu))

**Target Audience**

The audience of the book includes:
- Researchers and Practitioners in the Digital Governance Domain, Digital Transformation, Information Systems and in the broader ICT domain
- University Students and Professors from different disciplines
- ICT industry experts, engaged in public sector information systems, software design and deployment projects
- Policy makers and decision drivers at local, national or international level

The title will contribute to the analysis of the scientific perspectives of Digital Governance and Transformation, thus becoming an indispensable support tool for scientists and practitioners, either from the administrative or the technical side.
Recommended topics

The topics of the present call include, but are not limited to, the following:

Area A. Scientific Foundations of Digital Governance

- Basic research questions, key concepts, generic laws and foundational principles of Digital Governance
- Ontologies, taxonomies, lexicons and other semantic elements for Digital Governance
- Combined taxonomies and ontologies of Digital Governance structure and neighbouring scientific domains
- Definition of related scientific foundations and epistemological issues in science
- Methodologies for Digital Governance neighbourhood recognition and identification of reusable elements
- Neighbouring scientific domains analysis

Area B. Digital Governance Problem and Solution Space

- Formal methods to describe Digital Governance problems and solutions
- Digital Governance knowledge bases definition and design
- Impact assessment frameworks, simulation methods and tools for Digital Governance
- Models and tools for cutting across problem-solution paths in Digital Transformation
- Populations of formal descriptions, generalization of Digital Transformation approaches
- Metrics and algorithmic models for Digital Governance
- Other scientific methods for Digital Governance and Transformation in the Public Sector
- Scientific methods for Digital Governance found in other research domains
- Shared formal and other descriptive methods identification

Area C. Perspectives and Future Research Directions for Digital Governance

- Forward-looking roadmaps for research in the area of Digital Governance and Transformation
- Action plans for sustainability and evolution of scientific disciplines in general, and Digital Governance in particular, towards their scientific recognition
- Open research challenges and hypotheses for Digital Governance
- Visionary Scenarios for public sector organizations and digital public services
- Proposals on the value proposition, assessment and marketing of the scientific offerings for Digital Governance
- Guidelines and recommendations to key stakeholders
Submission Procedure

Interested researchers and practitioners are invited to submit on or before 1st March 2020 a brief proposal, including:

- The proposed title
- The area of submission (A, B or C, as above)
- An extended abstract of the proposed chapter - up to 500 words
- Brief Author(s) CV(s) - up to 150 words per author

Authors of accepted proposals will be notified by 15th March 2020 on the status of their proposals and be sent additional guidelines.

Full chapters must be between 8,000 and 10,000 words and are expected to be submitted by 1st June 2020. All submitted chapters will be reviewed on a double-blind review basis.

Important Dates

- 1st March 2020       Proposal Submission Deadline
- 15th March 2020      Notification of Proposal Acceptance
- 1st June 2020        Full Chapter Submission Deadline
- 1st September 2020   Notification of Chapter Acceptance & Review Results
- 1st November 2020    Camera–Ready Chapters Submission Deadline
- Spring 2021          Planned Book Publication

Inquiries may be addressed to all co-editors.

Proposals submissions should be forwarded electronically (Word/PDF document) to:

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Public Administration and Information Technology
Series Ed.: Rodríguez Bolívar, M.P.
ISSN: 2512-1812