

WCGE 2023

Proceedings

11th Workshop on Applied Computing in Electronic Government

XI Workshop de Computação Aplicada em Governo Eletrônico

Event co-located with the 43rd Congress of the Brazilian Computing Society
(CSBC 2023)

João Pessoa - PB, Brazil, August 6th to 11th, 2023

Marcelo Iury de Sousa Oliveira (UFPB)

Leandro Botelho Alves de Miranda

General Organizers

Ricardo Marcacini (ICMC-USP)

Program Chair

PREFACE

The Workshop on Applied Computing in Electronic Government is a forum for the presentation and discussion of techniques, methodologies, models, and tools to support Electronic Government initiatives.

This workshop, which has been growing significantly and has been receiving an increasing number of multidisciplinary papers, brings a socio-technical perspective to the Brazilian Computer Society regarding the manipulation and use of information and government systems. This is due to the fact that computing is increasingly being used to promote and scale large-scale planning, analysis, transformation, and communication actions in all areas of government, including the executive, legislative, and judicial branches, and at the municipal, state, and federal levels. Additionally, laws such as the LAI (Access to Information Law), the LGPD (General Data Protection Law), and more recently, the Digital Government Law define and guide the government towards its complete digitization and orientation towards digital transformation as a strategic path for continuous improvement and innovation in public service.

The Proceedings of the 11th Workshop on Applied Computing in Electronic Government (WCGE 2023) bring the papers selected and presented in the edition of the event held in João Pessoa, PB, Brazil, from August 06 to August 11, 2023, as part of the 43rd Congress of the Brazilian Computing Society (CSBC 2023), whose theme was "Digital Citizen Empowerment, Digital Democracy and Social Inclusion through the use of Technology". In this issue, the proceedings include 26 papers, which were selected through a double-blind peer review process, among 40 submissions, implying an acceptance rate of 65%.

TOPICS OF INTEREST

The event was focused on articles containing new ideas, discussions on existing work, practical studies, and experiments relevant to the field of Applied Computing in Electronic Government, which have not been previously published. The topics of interest included, but were not limited to:

- Foundations of Electronic Government - theories, standards, methods, and frameworks
- Public process management
- Data Science for government
- Artificial Intelligence applied to the public sector
- Distributed Ledger Technology / Blockchain and the public sector
- The Internet of Things and the Public Sector
- Secure online public access, inclusion, privacy, and online identity management
- Data protection and privacy by design

- Use of social media for communications
- Crowdsourcing, crowdsensing, and citizen sourcing
- Smart governments and governance
- Open innovation
- Public transparency
- Digital democracy
- Public information security
- Digital preservation and memory
- Designing solutions for the public sector
- Government open data
- Participatory governance
- Co-production of public services
- Models and processes for social participation
- Interoperability in government - standards, methods, tools
- Semantics and ontologies in the governmental context
- Social media in government
- Technological architecture for electronic government
- Systems supporting the implementation of laws and regulations
- Government infrastructure management and operation
- Governmental ecosystems
- Collaborative information systems in government
- Education for transparency and participation
- Plain Language / Citizen Language
- Electronic participation
- Smart governments

TECHNICAL PROGRAM COMMITTEE, REVIEWERS AND SUBREVIEWERS

André Grützmann (UFLA)

Andre Aquino (UFAL)

Angelo Cesar Mendes Silva (USP)

Carlos Denner dos Santos (UnB)

Cassya Vuolo (TCE-MT)

Claudia Cappelli (UERJ)

Cristiano Maciel (UFMT)

Eveline Sacramento (Universidade de Aveiro (Portugal))

Evellin Cardoso (UFG)

Fabio Lobato (UFOPA)

Fernando Lins (UFRPE)

Flavia Bernardini (UFF)

George Valença (UFRPE)

Gilmara Dias (Prefeitura Municipal de Montes Claros)
Heitor Costa (UFLA)
José Viterbo (UFF)
Julio Cesar Nardi (IFES)
Kellyton Brito (UFRPE)
Leandro Miranda (Blueshift)
Luciana Frigo (UFSC)
Luciano Gonda (UFMS)
Marcelo Ladeira (UnB)
Marcelo Moraes Junior (USP)
Marcelo Iury S . Oliveira (UFRPB)
Marcos Gôlo (USP)
Marie Anne Macadar (UFRJ)
Matheus Cruz (UFF)
Maurício Galimberti (UFSC)
Patricia Mendonça (UFMT)
Paulo Caetano da Silva (UNIFACS)
Raissa Barcelos (UFF)
Raquel S. Cabral (UFAL)
Rodrigo Monteiro (UFF)
Rosa Maenza (UTN y UCEL)
Solange Rezende (USP)
Valdemar Vicente Graciano Neto (UFG)
Vanessa Nunes (UFF)