



Call for Paper

Enterprise Architecture and Digital Governance

Conference General Chairman: Dr. Seyyed Mohammad Razavizadeh, Head of ICT Research Institute

Conference Chair: Dr. Alireza Yari, ICT Research Institute

Technical Program Chair: Dr. Fereydoun Shams Alaei, Shahid Beheshti University

Main Topic Program Chairs:

Dr. Saeed Araban, Engineer Mahmoud Kharat (Standards, models and frameworks)

Dr. Bahar Farahani, Dr. Alireza Yari (Technologies and digital value creation)

Dr. Islam Nazimi, Dr. Mandana Farzaneh (Organization Engineering, Process Management and business models)

Dr. Hassan Haghghi, Dr. Alireza Mansouri (Service Engineering and Service-Oriented Architecture (SOA))

Dr. Ali Kamandi and Dr. Mojtabi Mazuchi (Enterprise Architecture and Digital Governance)

Dr. Fereydoun Shams, Kerami engineer (Management, leadership and Maintenance of Enterprise Architecture)

Dr. Morteza Amini, Dr. Reza Kalantari (Enterprise Architecture and security)

Dr. Moin, Dr. Mohammad Hadi Bekaei (Enterprise Architecture and Artificial Intelligence)

Organizing Committee:

Dr. Ehsan Arianiyan (Organizing Committee Chair)

Mr. Mahmoud Kharat and Mr. Mehdi Hosseinpour (workshops)

Dr. Ali Mohammad Montazeri and Engineer Zahra Golmirzaei (Collaboration with Industry)

Dr. Mohammad Shahram Moin (Publications)

Dr. Kambiz Badie and Dr. Alireza Mansouri (Student Research Projects)

Dr. Mahmoud Nematolahzadeh (Exhibition)

Mr. Karami and Dr. Mandana Farzaneh (Panels)

Dr. Rauf Khayami and Engineer Ali Sharifi (Competition)

Dr. Ahmadreza Ghaznavi (Communication Affairs)

Dr. Valiollah Ghorbani (Information Technology)

ICT Research Institute (Iran Telecom Research Center) organizes the 7th National Conference on Organizational Architecture Advances with the aim of growing and developing the knowledge of Enterprise Architecture and applying it at the national level. The emphasis of this conference is on digital governance and its impact on various aspects of Enterprise Architecture. In this round of the conference, just like the previous ones, fundamental, practical, strategic and developmental aspects of Enterprise Architecture are considered, which can bring significant benefit to Iranian organizations. All researchers, academics, industrialists and experts in this field are invited to contribute to the fruitfulness and effectiveness of the conference by sending articles and participating in this conference, by exchanging their research and practical findings.

The main Topics of the conference:

- Standards, models and frameworks
- Technologies and digital value creation
- Organizational engineering, process management and business models
- Service Engineering and Service Oriented Architecture (SOA)
- Organizational architecture and digital governance
- Management, leadership and maintenance of Enterprise architecture
- Enterprise architecture and security
- Enterprise architecture and artificial intelligence

Verticals

- Communication and information technology
- Electronic government
- Smart City
- Energy industry
- Insurance industry and stock market
- banking industry
- Retail industry and digital marketing
- Transportation and road construction industry

important dates

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|-----------------------------|-------------------|
| Paper submission deadline | July 22, 2023 |
| Result Announcement | September 6, 2023 |
| Registration deadline | October 22, 2023 |
| Booth registration deadline | October 7, 2023 |

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The articles must be prepared and sent in Farsi or English and represent new work and have not been previously published in the proceedings of other conferences or in journals. Sending the article to other conferences at the same time will cause the article to be rejected (at any stage that is specified). It is necessary to send articles in PDF format of maximum 6 pages and its abstract in Word format of one page in accordance with the pagination format that is available on the conference website, only electronically and through the conference website. For each accepted paper, at least one of the authors must register and present the paper at the conference. Also, after the conference, the selected articles will be considered for publication in a special issue of the Computer Science and Engineering Innovations magazine.

Conference Topics

Information technology Standards, models and frameworks:

Architecture of information systems and software
Technology infrastructure architecture
Enterprise architecture reference models
Frameworks and reference models for industries and the private sector
Customizing frameworks and reference models
Enterprise architecture methodologies
Enterprise architecture evaluation
Enterprise architecture design and development techniques and patterns
Maturity of enterprise architecture
Enterprise architecture governance
Adoption of enterprise architecture
Enterprise architecture tools and standards
New approaches of Enterprise architecture
Enterprise architecture agility
Interactive approach in Enterprise architecture
Management and digital enterprise architecture programs
Enterprise architecture drivers
Decision making based on Enterprise architecture analysis
Organizational modeling theories
Social, economic and cultural aspects of Enterprise architecture
Systemic thinking and its role in improving Enterprise architecture
Functions of schools and different theories of Enterprise architecture

Digital technologies and digital value creation

Enterprise architecture and digital organization
Enterprise architecture and digital value creation
Digital transformation of business
Digital maturity
Enterprise architecture and digital transformation
Virtual organizations
Cognitive organization and the fourth and fifth industrial revolutions
Agile organizations
Application of block chain in Enterprise architecture
Internet of things in enterprise architecture
big data
Cloud Computing/Edge Computing

Pioneers of innovation and adoption of new technologies
Digital economy
Agility in the company
Digital architecture
Virtual reality in the development of digital transformation
Digital transformation development culture
Customer experience in digital transformation
Marketing in digital transformation
Integration through digital transformation
Organizational digitization models and patterns
Digital Enterprise architecture design frameworks

Service Engineering and Service Oriented Architecture (SOA):

Service-based integration and interoperability
Service orientation and Enterprise architecture
Service Oriented Enterprise Architecture (SOEA)
Versatility of services
Design and implementation of services
A system of large-scale systems
Microservices
Service development maturity tools and models
DevOps
Analysis of enterprise services
Organizational service development models and methods
Enterprise services development tools
Imitation and simulation of enterprise services

Enterprise architecture and digital governance

Enterprise architecture and realization of digital governance
Enterprise data-driven architecture and capabilities
Data governance and enterprise architecture
Information technology governance and Enterprise architecture
Enterprise architecture and maturity of data governance in the organization
Communication of information architecture and data with management dashboard
Enterprise architecture and governance and leadership in organizations
Enterprise ' agile actions in using business intelligence
Digital governance models and frameworks
Management dashboard
Architecture of business intelligence systems
Organizational decision support systems
Recommender systems for enterprise architecture



Organizational engineering, business process management and business model

Organization modeling and process analysis
Process management systems
Engineering and knowledge management of the organization
Aligning information technology with the organization's business
Organizational ontology
Business process modeling and management
Self-adaptive management of business processes
Augmented reality and business process management
Organizational self-adjustment risk management
Managing business processes in customer services
Automation of organizational processes
Digital management of organizational knowledge
Organizational geometry and architectural governance
Analysis of organizational processes
Organizational engineering and architectural thinking
Engineering and knowledge management of the organization

Management, leadership and maintenance of Enterprise architecture

Enterprise architecture tools and programs
Measurements, criteria and evaluation of Enterprise architecture artifacts and processes
Enterprise architecture development and maintenance processes
Enterprise architecture maintenance and improvement tools and models
Enterprise architecture management and monitoring
The cycle of evolution and improvement of Enterprise architecture
Management and strategic capabilities of Enterprise architecture
Enterprise architecture maintenance and improvement capabilities
Manpower architecture and information technology management
Key performance indicators and efficiency measurement models in Enterprise architecture

Security and Enterprise architecture

Security of enterprise services
Security concerns of organization architects
Application of DevSecOps in enterprise architecture
New frameworks of Enterprise information security
Attack response systems with the approach of protecting organizational processes
Cyber space awareness
Designing and deploying Security Operations Centers (SOC) with an attack detection approach to the organizational process
Security of communication equipment
Criminology of abnormal behavior in the organization
Auditing and analyzing security risks of the organization
Data privacy protection in the organization

Enterprise architecture and artificial intelligence

Artificial intelligence technology in enterprise architecture
Application of artificial intelligence in business process management
Artificial intelligence-based services in the organization (chatbots in the organization, image/sound recognition in the organization, etc.)
Smart business technologies
Artificial intelligence technology in organizations
Using artificial intelligence to facilitate and increase the efficiency of Enterprise architecture
Evaluation of the effect of introducing artificial intelligence solutions in the relevant environment
Planning to implement the artificial intelligence solution
Implementing and managing the implementation of artificial intelligence solutions
Reviewing feedback and improving artificial intelligence solutions in the organization/business
AIOps and MLOps
Intelligence-based decision-making in the organization
Using intelligent methods of collecting and analyzing information in the organization
Intelligent processing of information architecture (analysis and identification of problems)
Machine processing of Enterprise architecture models
Investigating the level of intelligence of Enterprise architecture models
Examining the maturity of Enterprise architecture using intelligent algorithms
Checking and controlling architectural model defects using machine learning algorithms
Ontology of Enterprise /organization/business architecture
Application of ontology in Enterprise architecture

نشانه دبیرخانه همایش:

تهران، انتهای کارگر شمالی پژوهشگاه ارتباطات و فناوری اطلاعات، پژوهشکده فناوری اطلاعات
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دبیرخانه دائمی همایش:

دانشگاه شهید بهشتی، دانشکده مهندسی و علوم کامپیوتر تلفن و نمابر دبیرخانه: ۰۹۶۰۹۶۰۹ - ۰۲۲۴۲۴۵۷۲ (۰۲۱)