



The 34-th International Conference on Advanced Information Networking and Applications (AINA-2020)

University of Campania "Luigi Vanvitelli", Caserta, Italy

April 15 to April 17, 2020

<http://voyager.ce.fit.ac.jp/conf/aina/2020/>



SCOPE

The International Conference on Advanced Information Networking and Applications (AINA-2020) will be held at University of Campania "Luigi Vanvitelli", Caserta, Italy, from April 15 to April 17, 2020. This is the 34-th edition of AINA. The conference covers theory, design and application of computer networks, distributed computing and information systems. The conference will include keynote addresses with speakers from both industry and academia. Prospective authors are invited to submit papers in any of the following areas (not limited to):

- | | |
|---|---|
| ❖ Communication Protocol and Architecture | ❖ Biological Informatics |
| ❖ High-speed Communication and Network | ❖ E-Learning, E-Commerce, E-Society, etc. |
| ❖ Wireless Communication and Network | ❖ Grid, Cluster and Internet Computing |
| ❖ Multimedia Communication System | ❖ Peer-to-Peer (P2P) System |
| ❖ Personal Communication System | ❖ Service-oriented Framework and Middleware |
| ❖ Mobile Ad-hoc and Sensor Network | ❖ Autonomic Computing and Communication |
| ❖ Low-power Network and System | ❖ WWW, Semantic Web and Cyber World |
| ❖ Wearable Network and System | ❖ Mobile and Context-aware Computing |
| ❖ Embedded System and Networking | ❖ Ubiquitous/Pervasive Networks and Computing |
| ❖ Internet Technology and IP-based Applications | ❖ Ubiquitous Intelligence and Smart World |
| ❖ Network Control and Management | ❖ Smart Object, |
| ❖ Network Performance, Analysis and Evaluation | ❖ Space/Environment and System |
| ❖ Quality of Services (QoS) | ❖ Innovative Networking and Applications |
| ❖ Multicast Routing and Technology | ❖ Social, Ethical & Other Issues of Networked World |
| ❖ Security, Privacy and Trust | ❖ Network and Application Hardware |
| ❖ Fault-tolerant and Dependable System | ❖ Cognitive Network Access |
| ❖ Multi-agent System and Applications | ❖ Digital Eco Systems |
| ❖ Parallel/Distributed Algorithm and Architecture | |
| ❖ Distributed Database and Data Mining | |
| ❖ Distributed Graphics and VR/AR/MR System | |
| ❖ Distributed AI and Soft/Natural Computing | |

PAPER SUBMISSION GUIDELINE

Authors should submit a paper to the main conference with maximum 12 pages in length, including all figures, tables, and references. Workshop papers should be maximum 10 pages long. However, authors can add up to 2 extra pages with the appropriate fee payment. Papers must be prepared using the Lecture Notes Style of Springer Proceedings (download from AINA-2020 web page), and must be formatted in PDF format. Prepare your paper in PDF file and submit it electronically to AINA-2020 web page.

All accepted papers will be included in conference proceedings of Lecture Notes series published by Springer. Proceedings will be sent by Springer for indexing in ISI Proceedings, MetaPress and Springer Link. Authors of accepted papers will be given instructions for submission of camera ready and copyright form. Presented papers at AINA-2020 will be considered for publication in some Special Issues in International Journals.

WORKSHOPS

In conjunction with the AINA-2020 international conference, will be held some number of workshops. If you would like to organize a workshop, please submit a workshop proposal including call for paper, number of papers to be accepted, contact person, to the AINA-2020 Workshops Co-Chairs by **October 15, 2019**.

Tomoya Enokido, Rishsho University, Japan
Leonardo Mostarda, Camerino University, Italy
Kin Fun Li, University of Victoria, Canada

Proceedings of AINA-2020 Workshops will be published by Springer under the name WAINA-2020. The schedule of each workshop should follow the conference schedule.

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Kevin Bylykbashi, Fukuoka Institute of Technology, Japan

IMPORTANT DATES

- ◆ Workshop Proposal Due: October 15, 2019
- ◆ **Submission Deadline: November 30, 2019**
- ◆ Authors Notification: January 20, 2020
- ◆ Author Registration: February 5, 2020
- ◆ Final Manuscript: February 5, 2020
- ◆ Conference Dates: April 15 - 17, 2020

AINA Steering Committee Co-Chairs

Makoto Takizawa, Hosei University, Japan
E-mail: makoto.takizawa@computer.org
Leonard Barolli, Fukuoka Institute of Technology (FIT), Japan
E-mail: barolli@fit.ac.jp



The 14th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS-2020)

July 1st – July 3rd, 2020, Lodz University of Technology, Lodz, Poland



Lodz University of Technology

<http://vovager.ce.fit.ac.jp/conf/cisis/2020/>

The CISIS-2020 International Conference will be held in conjunction with IMIS-2020 - <http://vovager.ce.fit.ac.jp/conf/imis/2020/>

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Program Tracks

1. Database and Data Mining Applications
2. Artificial Intelligence and Bio-Inspired Computing
3. Multimedia Systems and Virtual Reality
4. Next Generation Wireless Networks
5. Semantic Web, Web Services and Data Integration
6. Security and Trusted Computing
7. Cloud Computing Services and Orchestration Tools
8. Parallel, Distributed and Multicore Computing
9. Systems for Biological and Medical Applications
10. E-learning and Groupware Systems
11. Energy Aware Computing and Systems
12. Complex Systems and Software Modeling and Analytics
13. Multi-agent Systems, SLA Cloud and Social Computing
14. Smart Environments and Assistive Technologies
15. IoT, Semantics and Adaptive M2M/HCI Interfaces
16. FPGA Heterogeneous Architectures
17. Internet of Everything and Machine Learning Applications

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 Kevin Bylykbashi, Fukuoka Institute of Technology, Japan

AIM & SCOPE

The aim of the conference is to deliver a platform of scientific interaction between three interwoven challenging areas of research and development of future ICT-enabled applications: Software Intensive Systems, Complex Systems, and Intelligent Systems. CISIS-2020 is aiming at delivering a forum for in-depth scientific discussions amongst the three communities leading to significant contributions in areas such as:

- Monitoring and Control of Large Systems or Environments
- Managing the Heterogeneity of Knowledge by Means of Ontologies
- Service Oriented Architectures
- Software Intensive Systems
- Knowledge Management of Complex IT-Systems
- Pervasive, Ubiquitous, Ad Hoc and Mobile Systems
- Cloud, Fog and Edge Computing
- Heterogeneous Networking
- Socially Inspired Complex Systems
- Blockchain Computing
- Complex Systems and Dependability
- Usability of Complex Systems

IMPORTANT DATES

Submission Deadline:	February 25, 2020
Authors Notification:	April 1, 2020
Author Registration:	April 15, 2020
Final Manuscript:	April 15, 2020
Conference Dates:	July 1-3, 2020

WORKSHOPS

Please submit a workshop proposal including call for papers, number of papers to be accepted, contact person, to the CISIS-2020 Workshops Co-Chairs by December 1, 2019. Proceedings of CISIS-2020 workshops will be published together with CISIS-2020 by Springer Lecture Notes. The schedule of each workshop should follow the conference schedule.

SUBMISSION GUIDELINES

Authors should submit a paper to the main conference with maximum 12 pages in length, including all figures, tables, and references. Workshop papers should be maximum 10 pages long. However, authors can add up to 2 extra pages with the appropriate fee payment. Papers must be prepared using the Lecture Notes Style of Springer Proceedings (download from CISIS-2020 web page), and must be formatted in PDF format. Prepare your paper in PDF file and submit it electronically to CISIS-2020 Webpage.

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The 14th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing (IMIS-2020)



Lodz University of Technology

July 1st – July 3rd, 2020, Lodz University of Technology, Lodz, Poland

<http://vovager.ce.fit.ac.jp/conf/imis/2020/>

The IMIS-2020 International Conference will be held in conjunction with CISIS-2020 - <http://vovager.ce.fit.ac.jp/conf/cisis/2020/>

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Hsing-Chung Chen, Asia University, Taiwan
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Program Tracks

1. Multimedia and Web Computing
2. Context and Location-aware Computing
3. Data Management and Big Data
4. Security, Trust and Privacy
5. Energy Aware and Pervasive Systems
6. Modeling, Simulation and Performance Evaluation
7. Wireless and Mobile Networks
8. Intelligent Technologies and Applications
9. Cloud and Service-Oriented Computing
10. Ontology and Semantic Web
11. IoT, Crowdsourcing and Social Networking
12. Embedded Systems and Wearable Computers

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Kevin Bylykbashi, Fukuoka Institute of Technology, Japan

AIM & SCOPE

With the proliferation of wireless technologies and electronic devices, there is a fast growing interest in Ubiquitous and Pervasive Computing (UPC). UPC enables to create a human-oriented computing environment where computer chips are embedded in everyday objects and interact with physical world. Through UPC, people can get online even while moving around, thus having almost permanent access to their preferred services. With a great potential to revolutionize our lives, UPC also poses new research challenges. IMIS International Conference will focus on the challenges and solutions for UPC with an emphasis on innovative, mobile and internet services.

The conference will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of UPC. The conference will publish high quality papers, which are closely related to the various theories and practical applications in UPC. In addition, we expect that the conference publications will be a trigger for further related research and technology improvements in this important subject.

- Mobile Internet and Mobility Management
- Theoretical Foundations for UPC
- Algorithmic Paradigms, Models and Analysis for UPC
- Context-aware Schemes
- Smart Spaces and Intelligent Environments
- Embedded Systems and Wearable Computers
- Middleware and Agent Technologies
- Programming Paradigms for Pervasive and Ubiquitous Computing Applications
- Knowledge-based Systems

- IoT and Social Networking
- Cloud and Service-Oriented Computing
- Wireless Sensors, Ad-hoc and Mesh Networks
- Security and Privacy Issues
- Authentication and Access Control
- Trust Computing
- Ubiquitous Computing Applications
- Business Model and Protocols for Ubiquitous Services
- Emerging Standards and Technologies
- Data Management and Big Data

IMPORTANT DATES

Submission Deadline: February 25, 2020
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The 23-rd International Conference on Network-Based Information Systems (NBIS-2020)

University of Victoria, Victoria, Canada

August 31 – September 2, 2020

<http://voyager.ce.fit.ac.jp/conf/nbis/2020/>



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SCOPE

The main objective of NBIS is to bring together researchers from both network systems and information systems with the aim of encouraging the exchange of ideas and experience between these two communities. The NBIS-2020 seeks original contributions in all relevant areas, including but not limited to the following topics.

- Communication Networks and Protocols
- Databases, Data Mining and Big Data
- Cloud, Grid and P2P Computing
- Semantic Web and Internet Applications
- Ubiquitous and Pervasive Computing Applications
- Multimedia Systems and Applications
- Mobile and Wireless Networks
- Network Security and Privacy
- IoT and Opportunistic Networks
- Intelligent Computing and Networking
- Parallel Computing and Multicore Systems

PAPER SUBMISSION GUIDELINE

Authors should submit a paper to the main conference with a maximum of 12 pages in length, including all figures, tables, and references. Workshop papers should be maximum 10 pages long. However, authors can add up to 2 extra pages with the appropriate fee payment. Papers must be prepared using the Lecture Notes Style of Springer Proceedings. Submission instructions can be found at the conference webpage at: <http://voyager.ce.fit.ac.jp/conf/nbis/2020/>.

CONFERENCE PROCEEDINGS

All accepted papers of the conference and workshops will be published by Springer in Lecture Notes on Advances in Intelligent Systems and Computing. Proceedings will be sent by Springer for indexing in EI and SCOPUS, ISI Proceedings, MetaPress, Springerlink.

SPECIAL ISSUES

Presented papers at NBIS-2020 will be considered for publication in some Special Issues in International Journals.

IMPORTANT DATES

- **Submission Deadline: May 1, 2020**
- Authors Notification: June 12, 2020
- Author Registration: June 25, 2020
- Final Manuscript: June 25, 2020
- Conference Dates: August 31 – September 2, 2020

WORKSHOPS:

Several workshops will be held in conjunction with NBIS-2020. Please visit the website at: <http://voyager.ce.fit.ac.jp/conf/nbis/2020/>.



The 12-th International Conference on Intelligent Networking and Collaborative Systems (INCoS-2020)

University of Victoria, Victoria, Canada
August 31 – September 2, 2020
<http://voyager.ce.fit.ac.jp/conf/incos/2020/>



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AIM & SCOPE

INCoS conference series covers the latest advances in intelligent and adaptive solutions for social networks and collaborative systems. The ultimate aim is to stimulate research that will lead to the creation of responsive environments for networking and the development of adaptive, secure, mobile, and intelligent systems for collaborative learning.

The conference seeks original contributions in all relevant areas, including but not limited to:

- Intelligent Web-based networking and collaborative systems
- Web 2.0 and Web-based communities
- Social networking and collaborative systems
- Virtual campuses and collaborative systems
- Virtual Organizations and communities of practice
- Business-to-Business collaborative systems
- Peer-to-Peer computing and collaborative systems
- Online collaborative learning and interaction analysis
- Grid Computing and collaborative systems
- Wireless and Mobile technologies for collaborative systems
- Cloud computing and collaborative systems
- Context aware-computing for collaborative systems
- Semantic web technologies and services for collaborative systems
- Security, privacy and anonymity in collaborative systems
- Modeling, simulation and performance analysis of collaborative systems
- Personalization and adaptation techniques in collaborative systems
- Soft computing techniques for design of intelligent collaborative systems

IMPORTANT DATES

Submission Deadline: May 1, 2020

Authors Notification: June 12, 2020

Author Registration: June 25, 2020

Final Manuscript: June 25, 2020

Conference Dates: August 31 - September 2, 2020

WORKSHOPS

Several workshops will be held in conjunction with INCoS-2020. Please visit the website at: <http://voyager.ce.fit.ac.jp/conf/incos/2020/>.

SUBMISSION GUIDELINES

Authors should submit a paper to the main conference with maximum 12 pages in length, including all figures, tables, and references. Workshop papers should be maximum 10 pages long. However, authors can add up to 2 extra pages with the appropriate fee payment. Papers must be prepared using the Lecture Notes Style of Springer Proceedings. Submission instructions can be found at the conference webpage at: <http://voyager.ce.fit.ac.jp/conf/incos/2020/>

CONFERENCE PROCEEDINGS

All accepted papers of the conference and workshops will be published by Springer in Lecture Notes on Advances in Intelligent Systems and Computing. Proceedings will be sent by Springer for indexing in EI and SCOPUS, ISI Proceedings, MetaPress, Springerlink.

SPECIAL ISSUES: Presented papers at INCoS-2020 will be considered for publication in several Special Issues in EI and SCI Indexed International Journals.

BWCCA-2020

The 14-th International Conference on Broadband, Wireless Computing, Communication and Applications



October 28-30, 2020, Yonago, Tottori, Japan

In conjunction with the 3PGCIC-2020 International Conference



Call for Papers

Communication networks of today are going through a rapid evolution. Different kinds of networks with different characteristics are emerging and they are integrating in heterogeneous networks. For these reasons, there are many interconnection problems which may occur at different levels in the hardware and software design of communicating entities and communication networks. These kinds of networks need to manage an increasing usage demand, provide support for a significant number of services, guarantee their QoS, and optimize the utilization of network resources. Therefore, architectures and algorithms in these networks become very complex and it seems imperative to focus on new models and methods as well as mechanisms, which can enable the network to perform adaptive behaviors. The aim of BWCCA is to present the innovative researches, and technologies as well as developments related to broadband networking, mobile networking, wireless communications and applications.

Conference Topics

- Broadband Networks Applications
- Heterogeneous Networking
- High-speed Network Protocols
- Routing Algorithms
- Congestion Control
- Call Admission Control
- Multimedia Communication and Applications
- WDM Networks
- Distributed Algorithms and Systems
- Wireless Communication Protocols, Systems and Applications
- Wireless Networks Modeling
- Wireless Positioning and Tracking Systems
- Wireless Home Automation Technologies
- Wireless Systems and Applications
- Ubiquitous Computing Applications
- Lower Power Mobile Devices
- Mobile Ad Hoc Networking
- Mobile Agent Framework
- Mobility and Location Management
- Mobile Networking Applications
- Ad Hoc, Sensor Networks and Mesh Networks
- Autonomic Computing and Networking
- Vehicular Networks
- Pervasive and Ubiquitous Networks
- Network Security and Privacy
- Intelligent Networking
- Social Networking
- Interoperable Networks

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Keita Matsuo, FIT, Japan

Steering Committee Chair

Leonard Barolli, Fukuoka Institute of Technology, Japan

Submission Guidelines

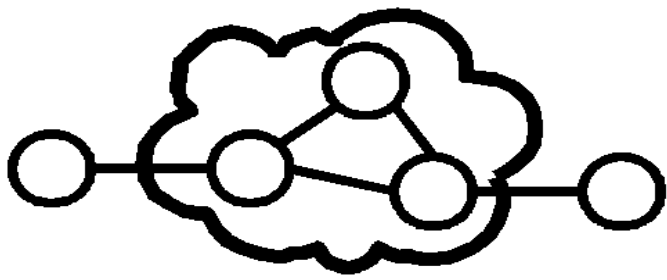
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Important Dates

Papers Submission Deadline:	July 10, 2020
Author Notification:	August 15, 2020
Final Manuscript:	September 4, 2020
Author Registration:	September 4, 2020
Conference Dates:	October 28-30, 2020

<http://voyager.ce.fit.ac.jp/conf/bwcca/2020/>



3PGCIC-2020

The 15-th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing
October 28-30, 2020, Yonago, Tottori, Japan

In conjunction with **BWCCA-2020** International Conference



Call for Papers

P2P, Grid, Cloud and Internet computing technologies have emerged as new paradigms for solving complex problems by enabling large-scale aggregation and sharing of computational, data and other geographically distributed computational resources. Rapid advances are being reported by many researchers and forums as regards understanding numerous issues in such paradigms, from theoretic to application aspects. The continuous development of Internet and the construction of new P2P and Grid and Cloud computing infrastructures are making possible the development of large scale applications from many fields of science and engineering. The aim of this conference is to present innovative research results, methods and development techniques from both theoretical and practical perspectives related to P2P, Grid, Cloud and Internet computing.

Conference Topics

- Parallel and Distributed Algorithms
- Theoretical Models for P2P, Grid, Cloud and Internet Computing Systems
- Programming Models, Tools, and Environments for P2P, Grid, Cloud and Internet Computing Systems
- Grid and P2P Infrastructures for Data Storage and Data Mining
- Middleware for Grid, Cloud and P2P Systems and Applications
- Data Intensive and Computing Intensive Applications
- Scheduling, Resource Discovery and Allocation
- Large-scale Collaborative Problem Solving Environments
- Methodology and Practice of Semantic Grid and Web
- Web and Grid Service-based Applications
- Virtual Organizations and Enterprise Computing
- Cloud Computing and Applications
- Autonomic Computing in P2P, Grid, Cloud systems
- Economics of P2P, Grid, Cloud and Internet Computing
- Ubiquitous and Pervasive Computing Applications
- Overlay Networks for P2P Systems
- Security Issues and Trust Integration in P2P, Grid, Cloud and Internet Computing
- P2P, Grid, Cloud and Internet Computing Scalability, Dependability and Reliability
- Reputation Aggregation for P2P, Grid, Cloud and Internet Computing Systems
- Integrating IoT in Existing Grid and P2P Architectures
- Social networking and implications

Submission Guidelines

Authors should submit a paper to the main conference with maximum 12 pages in length, including all figures, tables, and references. Workshop papers should be maximum 10 pages long. However, authors can have two extra pages with the appropriate fee payment. Papers must be prepared using Lecture Notes Style of Springer Proceedings (download from 3PGCIC-2020 web page), and must be formatted in PDF format. Prepare your paper in PDF file and submit it electronically to 3PGCIC-2020 web page according to the submission guidelines.

Accepted papers will be included in conference proceedings of Lecture Notes in Networks and Systems series published by Springer. The proceedings will be sent by Springer for indexing in ISI Proceedings, MetaPress and Springer Link. Authors of accepted papers will be given instructions for submission of camera ready and copyright form.

Important Dates

Papers Submission Deadline: July 10, 2020

Author Notification: August 15, 2020

Final Manuscript: September 4, 2020

Author Registration: September 4, 2020

Conference Dates: October 28-30, 2020

<http://voyager.ce.fit.ac.jp/conf/3pgcic/2020/>

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