

IC4S-2018 Conference Schedule

*2018 3<sup>rd</sup> International Conference*  
*on*  
**Computer, Communication and  
Computational Sciences  
(IC4S-2018)**

**20-21 October 2018**  
**Mandarin Hotel Bangkok, Bangkok, Thailand**



# IC4S-2018 Conference Schedule

## Introduction

Organizing Committee of IC4S-2018 is delighted to invite you to participate in International Conference on Computer, Communication and Computational Sciences (IC4S- 2018) to be held at Mandarin Hotel Bangkok, Bangkok, Thailand during 20th-21st October 2018.

The main purpose of IC4S-2018 is to provide a forum for researchers, educators, engineers, and government officials in the general areas of Communication, Computational Sciences and Technology to disseminate their latest research results and exchange views on the future research directions of these fields, to exchange computer science and integrate of its practice, application of the academic ideas, improve the academic depth of computer science and its application, provide an international communication platform for educational technology and scientific research for the world universities, business intelligence engineering field experts, professionals, and business executives.

The IC4S-2018 is a major multidisciplinary conference organized with the objective of bringing together researchers, developers and practitioner from academia and industry working in all areas of computer and computational sciences. It is being organized specifically to help computer industry to derive the advances of next generation computer and communication technology. Researchers invited to speak, will present the latest developments and technical solutions.

Papers accepted and presented at IC4S-2018 will be published in Springer Book Series on "Advances in Intelligent Systems and Computing" (indexed by SCOPUS, Google Scholar, ISI Proceedings, EI-Compendex, DBLP and Springerlink.).

**Organizing Committee of IC4S-2018**

# IC4S-2018 Conference Schedule

## Time Schedule

### **Note:**

1. All the participants are strongly advised to arrive before 8:40, October 21.
2. Certificate of Participation can be collected at the registration counter.
3. Please copy PPT files of your presentation to the secretary when registration.
4. The organizer doesn't provide accommodation, and we suggest you make an early reservation.
5. If you want to deliver oral presentation but your paper is not in the session list, please contact us by Email: [cfp@ic4s.org](mailto:cfp@ic4s.org)

### ***Instruction about Oral Presentation***

Devices Provided by the Conference Organizer:

- Laptops
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of each Presentation:

- Regular Oral Session: about 8-10 Minutes of Presentation and 5 Minutes of Q&A

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## Keynote Speech



**Prof. Raija Halonen**  
University of Oulu, Finland

Raija Halonen acts as a University Lecturer and Adjunct Professor at ITEE/M3S. Before joining the academic world she worked on information systems both in the public sector and in private IT enterprises. She continues as a Research Associate Postdoctoral Fellow in the National University of Ireland Galway. She holds a position as an Adjunct Professor at the University of Jyväskylä, Finland. Lately she has studied ICT and social inclusion and ICT-enabled process improvement while continuing research on information systems



**Aninda Bose**  
Springer India Pvt. Ltd

Aninda Bose is presently working as a Senior Publishing Editor with Springer India Pvt. Ltd. Mr. Bose is part of the Global Acquisition Team at Springer and responsible for acquisition of scientific content, primarily in India and Southeast Asia. The disciplines he is responsible for are Chemistry, Physics, Material Sciences and Earth Sciences. He has more than 22 years of industrial experience in marketing and different fields of publishing. Mr. Bose has completed Masters in Organic Chemistry from Delhi University and Masters in Marketing Research from Symbiosis Institute of Management Studies, Pune. He has published books for secondary level in Chemistry and a member of American Chemical Society, USA. Mr. Bose has delivered more than 50 talks on Scientific Writing and Publishing Ethics in reputed Universities, International Conferences and Author Workshops

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**Krishn Kumar Mishra**

University of Missouri, St. Louis, USA

Krishn Kumar Mishra is currently working as a Visiting Faculty, Department of Mathematics and Computer Science, University of Missouri, St. Louis, USA. He is an alumnus of Motilal Nehru National Institute of Technology Allahabad, India which is also his base working institute. His primary area of research includes evolutionary algorithms, optimization techniques and design, and analysis of algorithms. He has also published more than 50 publications in International Journals and in Proceedings of Internal Conferences of repute. He is serving as a program committee member of several conferences and also editing Scopus and SCI-indexed journals.



**Dr. Shailesh Tiwari**

ABES Engineering College, India

Dr. Shailesh Tiwari currently works as a Professor in Computer Science and Engineering Department, ABES Engineering College, Ghaziabad, India. He is an alumnus of Motilal Nehru National Institute of Technology Allahabad, India. His primary areas of research are software testing, implementation of optimization algorithms and machine learning techniques in various problems. He has published more than 50 publications in International Journals and in Proceedings of International Conferences of repute. He is edited Scopus, SCI and E-SCI-indexed journals. He has also edited several books published by Springer. He has organized several international conferences under the banner of IEEE and Springer. He is a Senior Member of IEEE, member of IEEE Computer Society, Fellow of Institution of Engineers (FIE).

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**IC4S-2018**  
**20-21 October, 2018**  
**Mandarin Hotel Bangkok, Bangkok,**  
**Thailand**  
**Conference Schedule**

<b>October 20</b>	
14:00—17:00	Registration (no lunch)
<b>October 21</b>	
9:00—10:30	Keynote Speech 1
	Keynote Speech 2
	Keynote Speech 3
	Release of "Proceedings IC4S-2018"
10:30—10:45	Tea and Coffee Break
10:45—12:00	Session 1: Advanced Communications & Hardware and Software Design
12:00—13:00	Lunch (buffet)
13:00—14:30	Session 2: Intelligent Computing Techniques
14:30—14:45	Coffee Break
14:45—17:30	Session 3: Web & Informatics and Intelligent Image Processing

# IC4S-2018 Conference Schedule

## SESSION I

### Advanced Communications & Hardware and Software Design

Date: October 21st, 2018

Time: 10:45—12:00

S.NO.	Paper ID	Title and Authors	Authors
1	I-19	Effect of constraint variation on the efficiency of protocols under realistic environment	<b><u>Prem Chand Vashist</u></b> , Ashish Tripathi, Pushpa Choudhary
2	I-34	Performance evaluation of OLSR-MD routing protocol for MANETS	<b><u>Rachna Jain</u></b> , Dr. Indu Kashyap
3	IC109	Privacy Attack Modeling and Risk Assessment Method for Name Data Networking	Vishwa Pratap Singh and <b><u>R. L. Ujjwal</u></b>
4	I-54	Software Architecture Decision-Making Practices and Recommendations	<b><u>Md. MonzurMorshed</u></b> , MahadyHasan, and M. Rokonuzzaman
5	I-61	SVM Hyper-parameter Optimization Using a Genetic Algorithm for Rub-Impact Fault Diagnosis	<b><u>Alexander Prosvirin</u></b> , Bach Phi Duong, and Jong-Myon Kim
6	IC108	Adaptive Credit Card Fraud Detection Techniques Based On Feature Selection Method	Ajeet Singh and <b><u>Anurag Jain</u></b>
7	5	Ensuring compliance with sprint requirements in SCRUM Preventive quality assurance in SCRUM	<b><u>Manuel Pastrana</u></b> , Hugo Ordóñez, Ana Rojas, Armando Ordoñez
8	20	Remote Collaborative Live Coding in Super Collider-Based Environments via Open Sound Control Proxy	<b><u>Poonna Yospanya</u></b>

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9	28	A wireless sensor network for aquaculture using Raspberry Pi, Arduino and Xbee	<b><u>Khanh Nguyen Tuan</u></b>
10	29	Energy Efficient Improved SEP for routing In Wireless Sensor Networks	<b><u>Siddhant Bagga,</u></b> Rishabh Rastogi, Deepak Kumar Sharma
11	IC107	To identify visible or non-visible based Vehicular Ad-hoc Networks using proposed BBICR Technique	<b><u>K.Suresh,</u></b> P.Rizwan , B.Balamurugan, M.Rajasekharababu, S.Sreeji
12	IC124	TGFD-Crash Severity Factor based Periodic Safety Message Dissemination Protocol for Vehicular Ad hoc Network	Suzi Iryanti Fadilah and Azizul Rahman Mohd Shariff

**Conference Lunch  
12:00—13:00**



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## SESSION II

### INTELLIGENT COMPUTING TECHNIQUES

Date: October 21st, 2018

Time: 13:00—14:30

S.NO.	Paper ID	Title and Authors	Authors
1	I-4	Emusic: Emotion & Activity based Music Player Using Machine Learning	<b><u>Pranav Sarda</u></b> , Sushmita Halasawade, Anuja Padmawar and Jagannath Aghav
2	I-13	Extra-Tree Classifier with Meta-heuristics Approach for Email Classification	<b><u>Aakanksha Sharaff</u></b> and Harshil Gupta
3	I-27	A parametric method for knowledge measure of intuitionistic fuzzy sets	<b><u>Zhenhua Zhang</u></b> , Shen-guo Yuan, Chao Ma, Jin-hui Xu, Jing Zhang
4	I-49	Hybrid PPSO Algorithm for Scheduling Complex Applications in IoT	<b><u>Komal Middha</u></b> , Dr. Amandeep Verma
5	I-50	Skyline Probabilities with Range Query on Uncertain Dimensions	Nurul Husna Mohd Saad, <b><u>Hamidah Ibrahim</u></b> , Fatimah Sidi, and Razali Yaakob
6	I-53	KDD based Decision Making: A Conceptual Framework Model for Maternal Health and Child Immunization Databases	<b><u>Sourabh Shastri</u></b> and Prof. Vibhakar Mansotra
7	I-59	An Efficient Detection of Malware by Naive Bayes Classifier Using GPGPU	<b><u>Sanjay K. Sahay</u></b> and Mayank Chaudhari
8	I-71	Content Based Audio Classification and Retrieval Using Segmentation, Feature Extraction and Neural Network Approach	<b><u>Nilesh M. Patil</u></b> , Milind U. Nemade

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9	I-73	Information Extraction from Natural Language Using Universal Networking Language	Md Firoz Mridha, <b><u>Jahir Ibna Raq,</u></b> Aloke Kumar Saha, and Jugal K Das
10	12	On the Knowledge-based Dynamic Fuzzy Sets	Rolly Intan, Siana Halim and <b><u>Lily Puspa Dewi</u></b>
11	15	Analysis and Discussion of Radar Construction Problems with Greedy Algorithm	<b><u>Wenrong Jiang</u></b>
12	16	Multilevel ML Assistance to High Efficiency Video Coding	<b><u>Chhaya Shishir Pawar,</u></b> SudhirKumar D.Sawarkar
13	19	Recognizing Hand-Woven Fabric Pattern Designs based on Deep Learning	<b><u>Wichai Puarungroj</u></b> and Narong Boonsirirumpun
14	31	Learning Curve as a Knowledge-based Dynamic Fuzzy Set: A Markov Process Model	Siana Halim, Rolly Halim, <b><u>Lily Puspa Dewi</u></b>
15	43	Analysis of Centrality Concepts applied to Real World Big Graph Data	Soyeon Oh, Kyeongjoo Kim and <b><u>Minsoo Lee</u></b>
16	IC128	Dynamic Neural Network Model of Speech Perception	<b><u>Marius Crisan</u></b>
17	IC132	Simulation Model and Scenario to Increase Corn Farmers' Profitability	<b><u>Erma Suryani,</u></b> Rully Agus Hendrawan, Lukman Junaedi, Lily Puspa Dewi

**Tea and Coffee Break**

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## SESSION III

### WEB & INFORMATICS and INTELLIGENT IMAGE PROCESSING

Date: October 21st, 2018

Time: 14:45—17:30

S.NO.	Paper ID	Title and Authors	Authors
1	I-25	A Survey on the Detection of Android Malicious Apps	<b><u>Sanjay K. Sahay</u></b> and Ashu Sharma
2	I-44	A Survey on Visualization Techniques used for Big Data Analytics	<b><u>Sumit Hirve</u></b> and CH. Pradeep Reddy
3	I-52	A Collaborative Model for Customer Retention On User Service Experience	Pushpa Singh and <b><u>Vishwas Agrawal</u></b>
4	I-68	Smart Services for Smart Cities: New Delhi versus Jaipur	<b><u>Devesh Kumar Srivastava</u></b>
5	I-78	Global Terrorism Predictive – Analysis	<b><u>Sandeep Chaurasia</u></b> , Vinayak Warikoo and Shanu Khan
6	I-37	Towards Improving Performance of Sigma Filter	<b><u>Mayank Tiwari</u></b> , Subir Singh Lamba, and Bhupendra Gupta
7	I-58	Video-Based Facial Expression recognition using a Deep learning approach	<b><u>Mahesh Jangid</u></b> , Pranjul Paharia and Sumit Srivastava
8	I-75	Zernike Moments based Facial Expression Recognition using Two staged Hidden Markov Model	Mayur Rahul, Rati Shukla, Dinesh Kumar Yadav, <b><u>Vikash Yadav</u></b>

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9	4	User Behavior-Based Mobile Authentication System	<b><u>Adnan Bin Amanat Ali</u></b> , Vasaki Ponnusamay , Anbuselvan Sengodiah
10	9	Cyber Social Media Analytics and Issues: A Pragmatic Approach for Twitter Sentiment Analysis	<b><u>Sanur Sharma</u></b> and Anurag Jain
11	26	Internet of Things for Epidemic Detection: A Critical Review	<b><u>S.A.D.S. Kaushalya</u></b> , K.A.D.T Kulawansa and Mohamed Fazil Mohamed Firdhous
12	30	Automated micro-expression recognition using local binary patterns on three orthogonal planes with boosted classifiers: A survey	<b><u>Kennedy Chengeta</u></b>
13	34	Semantic Recognition of Web Structure to Retrieve Relevant Documents from Google by Formulating Index Term	Jinat Ara and <b><u>Hanif Bhuiyan</u></b>
14	IC104	Self-updating clustering algorithm for interval-valued data	<b><u>Wen-Liang Hung</u></b>
15	IC105	Ontology-Based Natural Language Processing for Thai Herbs and Thai Traditional Medicine Recommendation System Supporting Health care and Treatments (THMRS)	<b><u>Akkasit Sittisaman</u></b> and Naruepon Panawong
16	IC106	Tourism Web Filtering and Analysis using Naïve Bay with Boundary Values and Text Mining	<b><u>Naruepon Panawong</u></b> and Akkasit Sittisaman
17	IC117	Effects of a spectral window on frequency domain HRV parameters	<b><u>Jeom Kuen Kim</u></b> and Jae Mok Ahn
18	IC119	Effects of heart rate on results of HRV analysis	<b><u>Jae Mok Ahn</u></b> and Jeom Kuen Kim
19	49	Efficient CP-ABE Scheme for IoT CCN Based on ROBDD	Eric Affum, Xiasong Zhang, Xiaofen wang, John Bosco Ansuura

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20	IC114	Domain of Competency of Classifiers on Overlapping Complexity of Datasets Using Multilabel Classification with Meta Learning	<b><u>Shivani Gupta</u></b> , Atul Gupta
21	53	Large-Scale Meta-Analysis of Genes Encoding Pattern in Wilson's Disease	<b><u>Diganta Misra</u></b> and Anurag Tiwari
22	55	How does Grooming fit into Social Engineering?	<b><u>Patricio Zambrano</u></b> , Jenny Torres and Pamela Flores
23	IC122	A Concept to Improve Care for People with Dementia	<b><u>Raija Halonen</u></b>