

# IEA/AIE 2016

## The 29<sup>th</sup> International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems

Aug 2-4, 2016, Morioka, JAPAN



"August" is a special season, which has Japanese five big festivals in Tohoku area; Morioka Sansa(<http://www.sansaodori.jp/>), Aomori Nebuta (<http://www.nebuta.or.jp/>), Sendai Tanabata(<http://www.sendaitanabata.com/>), Akita Kanto(<http://www.kantou.gr.jp/index.htm>) and Yamagata Hanagasa (<http://www.hanagasa.jp/>). You will be able to enjoy those festivals after the conference.

## Important Dates

Jan 6, 2016

Paper submission due: ~~Jan 28, 2016~~ (extended)

Feb 9, 2016 (extended)

Notification of acceptance: **Mar 15, 2016**

Final camera ready form: **Apr 15, 2016**

Registration: Apr 18, 2016

Conference date: **Aug 2-4, 2016**

- [Call For Paper \(PDF download\)](#) [Poster \(PDF download\)](#)
- [Paper Submission site CMT](#)

## Contact information

- Moonis ALI, General Chair of IEA/AIE-2016  
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- Hamido FUJITA, General Chair of IEA/AIE-2016  
Intelligent Software Systems Laboratory, Iwate Prefectural University  
Iwate, Takizawa 020-0693. Fax: (+81)19-694-2579  
Email: HFujita-799@acm.org
- Organizing Chair; Prof. Jun Sasaki (JP), [jsasaki@iwate-pu.ac.jp](mailto:jsasaki@iwate-pu.ac.jp)  
Dr. Masanori Takagi (JP), [takagi-m@iwate-pu.ac.jp](mailto:takagi-m@iwate-pu.ac.jp)
- Special session chairs;
- Dr. Jun Hakura (JP), [hakura@iwate-pu.ac.jp](mailto:hakura@iwate-pu.ac.jp) ,  
Dr. Prima Oky Dicky A (JP), [prima@iwate-pu.ac.jp](mailto:prima@iwate-pu.ac.jp)
- Program Chairs;  
Prof. Ali Selamat (MY), [aselamat@utm.my](mailto:aselamat@utm.my),  
Dr. Masaki Krematsu (JP), [kure@iwate-pu.ac.jp](mailto:kure@iwate-pu.ac.jp)

## What's New

Thank you for participating.

**2016/08/5**

The conference was closed successfully.

**2016/07/28**

General information is added in the "Program" page.

**2016/07/26** The final conference program was uploaded.

**2016/07/21** [LNAI 9799 available online](#)

[Book information](#)

The conference program was revised (v5).

**2016/07/19** For Session Chair;

If there is a problem, please inform it to Organizing Chair (Jun Sasaki) soon.

[jsasaki@iwate-pu.ac.jp](mailto:jsasaki@iwate-pu.ac.jp)

The dead line of Hotel booking was extended to July 18.

After July 18, you cannot book your hotel in Morioka by the accommodation web page.

In that case, you have to book your hotel yourself.

But, it will be difficult for the summer festival season.

**2016/07/8** You can see the conference program.

**Announcement:**

**2016/07/6** The best Papers presented in the conference will be invited to contribute in a special issue in <http://link.springer.com/journal/10489> Applied Intelligence.

Further notice on this will be announced later.

**2016/07/6** Conference venue information is revised.

Invited speaker page is revised.

**2016/04/20** Accepted paper list is opened.

**2016/04/19** Accommodation and Tour information are added.

**2016/04/13** Invited Speakers and Registration page have been revised.

**2016/02/03** Paper submission deadline is extended to Feb 9, 2016

**2015/12/29** Paper submission deadline is extended to Jan 28, 2016

**2015/08/04** Special Session Call for Papers

Special Session 2: On Innovations in Intelligent Systems and Applications([PDF download](#))

**2015/07/15** Special Session Call for Papers

Special Session 1: On Applied Neural Networks([PDF download](#))  
Workshop Call for Papers

**2015/07/14**

1. IEA/AIE2016 Workshop on Modelling and Simulation: Real World Applications in Engineering, Science and Technology (MSRWAEST) ([PDF download](#))

**2015/06/10** Official announce in 28th IEA/AIE in Korea

**2015/06/04** Contact information is added

**2015/06/04** Paper Submission site CMT is opened

**2015/06/02** You can download CFP and Poster

**2015/05/01** The official website is published

## Invited Speakers



**Prof. Dr. Rose Alinda Alias**

Deputy Vice Chancellor  
(Academic & International)

Universiti Teknologi  
Malaysia (UTM)



**Prof. Dr. Enrique Herrera-Viedma**

University of Granada,

Department of Computer  
Science and Artificial  
Intelligence



**Prof. Jie Lu**

University of  
Technology Sydney



**Prof. Dr. Hiroshi Okuno**

Waseda University

Professor Emeritus,  
Kyoto University

# Organizing Committee

## General Chairs

\* General Chair; Prof. Moonis Ali (US), [ma04@txstate.edu](mailto:ma04@txstate.edu)

\* General Chair; Prof. Hamido Fujita (JP), [HFujita-799@acm.org](mailto:HFujita-799@acm.org)

## Organizing Chairs

- Jun SASAKI (JP), [jsasaki@iwate-pu.ac.jp](mailto:jsasaki@iwate-pu.ac.jp)
- Masanori TAKAGI (JP), [takagi-m@iwate-pu.ac.jp](mailto:takagi-m@iwate-pu.ac.jp)

## Program Chairs

- Ali SELAMAT (MY), [aselamat@utm.my](mailto:aselamat@utm.my)
- Masaki KUREMATSU (JP), [kure@iwate-pu.ac.jp](mailto:kure@iwate-pu.ac.jp)

## Web Chairs

- Keizo YAMADA (JP)
- Issei KOMATSU (JP)

## Publication Chairs

- Love EKENBERG (AT)
- Gajo PETROVIC (JP)

## Special Session Chair

- Jun HAKURA (JP), [hakura@iwate-pu.ac.jp](mailto:hakura@iwate-pu.ac.jp)
- Prima Oky Dicky A. (JP), [prima@iwate-pu.ac.jp](mailto:prima@iwate-pu.ac.jp)

## Program Committee

Acharya, Rajendra (Singapore) Althari, A. (SA) Altincay, H. (TR) Arroyo, G. (MX)  
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Belli, F. (GE) Bentahar, J. (CA) Borzemeski, L. (PL) Brézillon, P. (FR) Bustillo, A. (SP)  
Bustince, H. (SP) Cambria, E. (US) Carvalho, J. P. B. (PT) Chan, C. W. (HK) Chan, Ch.-Ch. (US)  
Charles, D. (UK) Chen, S.-M. (TW) Chiclana, F. (UK) Cho, H. (US) Cho, S.-B. (KR) Cho, S. (KR)  
Chou, J.-H. (TW) Chung, P. (UK) Das, A. (US) De Haro, A. (SP) de Oliveira, J.V. (PT)  
Dolan, J. (US) Dounias, G. (GR) Ekenberg, L. (AT) Fatima, S. (UK) Ferro, D. (NL)  
Ferscha, A. (AT) Frias-Martinez, E. (SP) Fujita, H. (JP) García-Osorio, C. (SP) Goel, A. (US)  
Grzenda, M. (PL) Guizzi, G. (IT) Haber, R. (SP) Hakura, J. (JP) Herrera, F. (SP) Hirota, K. (JP)  
Hong, W. J. (JP) Hou, W.-J. (TW) Huang, Chi-Yo (TW) Hung, C.-C. (TW) Indurkha, B. (IN)  
Ito, T. (JP) Jiang, H. (CN) Julián, V. (SP) Jung, M. (US) Keller, R. (SW) Kim, M. (KR)  
Kim, H. (KR) Kim, K. (KR) Kim, S. B. (KR) Kim, Y. (KR) Kinoshita, T. (JP) Kotenko, I. (RU)  
Klawonn, F. (GE) Kumar, A. (US) Kumova, B. (TR) Kwon, Y. S. (KR) Kyoungsup, K. (KR)  
Lamirel, J.-Ch. (FR) Lee, C.-H. (KR) Lee, G. (TW) Lee, J. (TW) Lee, Y. S. (KR) Levin, M. S. (RU)  
Li, M. (CN) Liu, H. (US) Loia, V. (IT) Lozano, M. (SP) Lukowicz, P. (GE) Madani, K. (FR)  
Marcelloni, F. (IT) Maudes, J. (SP) Mehrotra, K. (US) Mirenkov, N. (JP) Mizoguchi, R. (JP)  
Mohammad, Y. (JP) Monteserin, A. (AR) Nedjah, N. (BR) Nguyen, N. T. (PL) Niazi, M. (PK)  
Oh, J. C. (US) Okada, S. (JP) Okuno, H. G. (JP) Olivas, J. Á. (SP) Palmero, G. S. (SP)  
Park, C. G. (KR) Pena, A. A. (SP) Perez-Meana, H. (MX) Peng, J. (US)  
Philippe Fournier-Viger (CN) Pokahr, A. (GE) Potter, D. (US) Pratihari, D. (IN)  
Ramaswamy, S. (US) Rionda, A. B. (SP) Revetria, R. (IT) Romano, E. (IT) Sadok, D. F. (BR)  
Selamat, Ali (ML) Sousa, J. (PT) Suzuki, K. (JP) Syaekhoni, A. (KR) Tereshko, V. (UK)  
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van Splunter, S. (NL) Vazhenin, A. (JP) Viharos, Z. J. (HU) Warnier, M. (NL) Yang, D.-L. (TW)  
Yoon, B. (KR) Zhan, D.-C. (CN) Zhang, L. (CN) Zagorulko, Y. (RU) Zhou, Z. H. (CN)

## Paper Submission

### Detailed formatting and submission instructions:

These guidelines are for initial submissions for review only. Camera-ready submission guidelines will be announced later.

### 1. General Instructions:

- \* **Language:** All manuscripts must be in English.
- \* **File Format:** Papers submitted for review should be in doc, docx, or pdf format.
- \* **Paper Length, Completed Research papers:** Completed research papers must not exceed **twelve (12)** single-spaced pages and must conform to Springer's guidelines for Lecture Notes in Artificial Intelligence(LNAI).

The **12** pages must include all text, figures, tables, and appendices. In other words, cover page, abstract, keywords, and references are excluded from this page count.

(Author guidelines and templates by Springer are available at <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>)

### 2. All papers should be submitted electronically using the conference's online submission system at IEA/AIE 2016 online paper submission page.

The direct link for paper submission is

<https://cmt.research.microsoft.com/IEAAIE2015/>

### 3. The submitted papers should not have been submitted for review, accepted for publication, or already published elsewhere.

#### Notification of acceptance

All submitted papers will be reviewed by the Program Committee or Session Organizer according to the standard review procedures.

Notification of acceptance will be sent by e-mail to corresponding, presenting and abstract submitting authors until March 15, 2016.

You can also check the result of your paper at the online system

<https://cmt.research.microsoft.com/IEAAIE2015/>.

## Camera Ready Manuscript Submission Guidelines

**Authors of accepted papers (both for the long and the short papers) should submit the Camera Ready version of their papers by following these steps:**

1. Please follow the Springer LNCS author instructions (link to <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>) to prepare the camera ready manuscript of up to **12** single spaced pages. Additional pages including all figures, tables, and references (with a maximum of **2** pages per paper) may be purchased for **3,000** JPY (Japanese Yen) per page (see the Registration page). For Short Paper the Camera Ready copy is maximum **8** pages.
2. Fill out the Springer LNCS copyright form ([ftp://ftp.springer.de/pub/tex/latex/lncs/LNCS-Springer\\_Copyright\\_Form.pdf](ftp://ftp.springer.de/pub/tex/latex/lncs/LNCS-Springer_Copyright_Form.pdf)), (Title of the Book or Conference Name: "IEA/AIE 2016", Volume Editor(s): "Hamido Fujita et al.") The copyright form can also be found in the following. [IEA/AIE2016 Copyright\\_Form.pdf](#)
3. Create a .zip file, including the following items:
  - The .pdf of the manuscript
  - The source files of the manuscript (i.e., either a .doc or .docx file, or a subfolder with all relevant LaTeX files)
  - The signed Springer LNCS copyright form.
  - A filled out Excel file with further paper information (corresponding author info, full list of authors, and their emails and suggestion for abbreviated running head)
4. Name the compressed files as stated above according to your paper ID (e.g., if your paper ID is 83, then the compressed file should be named "83.zip").
5. Go to the submission page (<https://cmt.research.microsoft.com/IEAAIE2015/>), login as author and select your accepted paper, and submit both your camera ready manuscript (e.g., "83.pdf") and the compressed file (e.g., "83.zip", supplementary file(source file)) via the CMT system on or before **April 15, 2016**.

Finally, to have your paper included in the proceedings, one author of the paper should register for the conference on or before **April 18, 2016** (if one author has more than one paper, there is a discount of 4,000 JPY for each additional paper).

## Registration

Dear attendees,

We would like to express our appreciation and congratulation for the distinguished works you had contributed to IEA/AIE-2016.

Please follow the following instructions to accomplish the required procedures for conference registration.

All attendees for IEA/AIE-2016 are kindly requested to register.

Related forms and supporting documents must be received with payment in JPY (Japanese Yen) **no later than April 18, 2016**.

Please note that at least one author per paper must register **before April 18, 2016**.

(If one author has more than one paper, an additional paper has 5,000 JPY discount.  
The 2nd paper registration fee is 60,000 - 5,000= 55,000 JPY)

Otherwise the paper will not be included in the IEA/AIE-2016 technical program and proceedings.

**Please also note that the page length limit is 12 pages. Extra pages will incur extra page charges.**

The registration fee includes conference proceedings, published by Springer - Verlag, technical sessions, welcome reception, coffee breaks

and a banquet (lunches are not included). An official receipt for the payment will be offered to the registrant on the conference site.

Please fill in the Registration form and pay the Registration Fee by bank transfer in Japanese Yen.

Please feel free to let us know if you have any problem regarding the conference registration.

Thank you again for your contribution to IEA/AIE-2016. We look forward to meeting you in Morioka.

### **Conference Registration Fees**

All below is in **JPY (Japanese Yen)**.

	Speakers; authors, co-author all category	Non- Speaker participation	
	Registration and Payment by <b>April 18, 2016</b>	Early Registration by May 31, 2016	Late Registration From June 1st to July 20th , 2016
*Each paper should be registered with one registration. (Up to <b>12</b> pages Springer format)	<b>*60,000 JPY</b> <i>(An additional paper with the same author has 5,000 JPY discount. The 2nd paper registration fee is 60,000 - 5,000= 55,000 JPY)</i>	30,000 JPY	40,000 JPY
Extra Pages (Up to maximum 14 pages)	3,000 JPY per page	N/A	N/A
For Additional Banquet Ticket		9,000 JPY per person	



### **Registration Method**

DEADLINES: \***April 18th, 2016**

Each accepted paper at least one author should be registered.

Down-Load the Registration Form and write the appropriate fields and FAX it to the below number.

+81-19-694-2569 or e-mail it: [jsasaki@iwate-pu.ac.jp](mailto:jsasaki@iwate-pu.ac.jp)

### **Registration Form (Please Download)**

#### **PAYMENT Method**

Payment is by Bank Transfer Only:

Bank Transfer related information:

Bank account name: IEA-AIE2016

The Beneficiary: IEA-AIE2016 or Prof. Hamido FUJITA

Bank Name: The Bank of Iwate, Ltd

Account Number: 2165775

Branch Name: Matsuzono (Branch Number 082)

Beneficiary Telephone number: +81-19-694-2578

Beneficiary address: 152-52 Sugo Takizawa-shi, Iwate, 020-0693, Japan

Bank Address: Morioka, Japan

Bank Telephone number: +81-19-661-6111

Bank Swift code: BAIWJPJT

\*\*Make sure that the bank charges are from the sender and not from the Beneficiary.

After the PAYMENT, please send a scanned PDF file of the receipt to

Jun Sasaki by e-mail ([jsasaki@iwate-pu.ac.jp](mailto:jsasaki@iwate-pu.ac.jp)) or FAX(+81-19-694-2569).

#### **For Japanese**

参加者が日本国内の場合: 日本国内銀行から下記銀行へ期日までに振り込みをお願い致します。

銀行名: 岩手銀行

支店名: 松園支店

種 別: 普通

口座番号: 2165775

口座名義: IEA-AIE2016 (アイイーエイイーアイイー2016)

なお、振込み手数料は振込み者によるご負担でお願いいたします。

## Accepted Papers

Accepted Paper ID	Title	Authors
1	Mobile Gaming Trends and Revenue Models	Khaled Alomari* (Abu Dhabi University), Tariq Soomro (SZABIST Dubai Campus), Khaled Shaalan (British University in Dubai)
2	Decision Making Based On Different Dimension Direction	Chen Yung-Lin* (Business Office of Salomon)
3	Hardware/Software Co-design for a Gender Recognition Embedded System	Andrew Chen* (University of Auckland), Morteza Biglari-Abhari (University of Auckland), Kevin Wang (University of Auckland), Abdesselam Bouzerdoum (University of Wollongong), Fok Hing Chi Tivive (University of Wollongong)
4	The Statistical Approach to Biological Event Extraction Using Markov's Method	Wen-Juan Hou* (), Bamfa Ceesay ()
5	Intelligent Systems in Modelling Phase of Information Mining Development Process	Sebastian Martins (National University of Lanus), Patricia Pesado (National University of La Plata – CIC Bs As), Ramon Garcia-Martinez* (National University of Lanus)
6	The Research of Chinese License Plates Recognition based on CNN and Length_Feature	Saina He* (Harbin Institute of Technology), Chunsheng Yang (Harbin Institute of Technology Shenzhen Graduate), Jeng-Shyang Pan (College of Information Science and Engineering, Harbin Institute of Technology Sh)
7	Design of a communication system that can predict situations of an absentee using its behavior log	Hironori Hiraishi* (NIT, Akita College)
8	A Black Hole Algorithm for Solving the Set Covering Problem	Ricardo Soto* (PUCV), Broderick Crawford (PUCV), Ignacio Figueroa (PUCV), Stefanie Niklander (UAI), Eduardo Olguin (USS)
9	Citation-based Extraction of Core Contents from Biomedical Articles	Rey-Long Liu* (Tzu Chi University)
10	3D protein structure prediction with BSA-TS algorithm	Yan Xu (), Changjun Zhou (), Qiang Zhang* (Dalian University), Bin Wang ()
11	Challenging Established Move Ordering Strategies with Adaptive Data Structures	Andrew Polk* (Carleton University), John Oommen (Carleton University)
12	The Effectiveness of Gene Ontology in Assessing Functionally Coherent Groups of Genes: A Case Study	Barbara Pes* (University of Cagliari), Nicoletta Dessì (University of Cagliari)

Accepted Paper ID	Title	Authors
13	Style-Me, An Experimental AI Fashion Stylist	Haosha Wang* (University of Georgia), Joshua De Haan (University of Georgia), Khaled Rasheed (University of Georgia)
14	Event Extraction and Classification by Neural Network Model	Wen-Juan Hou* (), Bamfa Ceesay ()
15	Reduction of Computational Cost Using Two-Stage Deep Neural Network for Training for Denoising and Sound Source Identification	Takayuki Morito* (Tokyo Institute of Technology), Osamu Sugiyama (Tokyo Institute of Technology), Satoshi Uemura (Tokyo Institute of Technology), Ryosuke Kojima (Tokyo Institute of Technology), Kazuhiro Nakadai (Tokyo Institute of Technology / Honda Research Institute Japan Co., Ltd.)
16	Video Inpainting in Spatial-temporal Domain based on Adaptive Background and Color Variance	Hui-Yu Huang* (National Formosa University), Chih-Hung Lin ()
17	Social Network Clustering by Using Genetic Algorithm: A Case Study	Ming-Feng Tsai (), Chun-Yi Lu (), Churn-Jung Liau (Academia Sinica), Tuan-Fang Fan* (NPU)
18	Hidden Frequency Feature in Electronic Signatures	Orcan Alpar (University of Hradec Kralove), Ondrej Krejcar* ()
19	Intellectual Processing of Human-Computer Interruptions in Solving the Project Tasks	Peter
20	A Multimodal Approach To Relevance And Pertinence Of Documents	Claudio Tomazzoli* (University of Verona), Matteo Cristani (University of Verona)
21	Training ROI Selection based on MILBoost for Liver Cirrhosis Classification using Ultrasound Images	Yusuke Fujita* (Yamaguchi University), Yoshihiro Mitani (Ube National College of Technology), Yoshihiko Hamamoto (Yamaguchi University), Makoto Segawa (Yamaguchi University), Shuji Terai (Niigata University), Isao Sakaida (Yamaguchi University)
22	View-invariant gait recognition using a joint DLDA framework	Jose Portillo (Instituto Politecnico Nacional), Roberto Leyva (Warwick University), Victor Sanchez (Warwick University), gabriel Sanchez (Instituto Politecnico Nacional), Hector * (), Jesus Olivares (Instituto Politecnico Nacional), Karina Toscano (Instituto Politecnico Nacional), Mariko Nakano ()
23	Copyright protection in video distribution systems by using a fast and robust watermarking scheme	Antonio Cedillo-Hernandez (Universidad Nacional Autónoma de México), Manuel Cedillo-Hernandez (Instituto Politecnico Nacional), Francisco Garcia-Ugalde (Universidad Nacional Autónoma de México), Mariko Nakano (), Hector * ()

Accepted Paper ID	Title	Authors
24	KANSEI (Emotional) Information Classifications of Music Scores Using Self Organizing Map	Satoshi KAWAMURA* (Iwate University), Hitoaki Yoshida (Iwate University)
25	Fully Automated Learning for Position and Contact Force of Manipulated Object with Wired Flexible Finger Joints	Kanta Watanabe* (Iwate university), Shun Nishide (Tokushima university), Chyon Hae Kim (Iwate university), Manabu Gouko (Touhokugakuin university)
26	A Hybrid Approach to Sentiment Analysis with Benchmarking Results	Orestes Appel* (De Montfort University), Francisco Chiclana (De Montfort University), Jenny Carter (De Montfort University), Hamido Fujita (Iwate Prefectural University)
27	S-Rank: A Supervised Ranking Framework for Relationship Prediction in Heterogeneous Information Networks	Wenxin Liang* (Dalian University of Tech.), Xiaosong He (Dalian University of Tech.), Dongdong Tang (), Xianchao Zhang ()
28	Autonomic Smart Home Operations Management using CWMP: A Task-centric View	Chun-Feng Liao* (National Chengchi University), Shih-Ting Huang (National Chengchi University), Yi-Ching Wang (National Chengchi University)
29	Various Classifiers to Investigate the Relationship between CSR Activities and Corporate Value	Ratna Hidayati* (Tokyo University of Science), Hayato Ohwada (Tokyo University of Science), Katsutoshi Kanamori (Tokyo University of Science), Ling Feng (Tokyo University of Science)
30	Vehicle Dynamics Modeling using FAD learning	Keigo Eto* (Iwate University), Yuichi Kobayashi (Shizuoka University), Chyon Hae Kim (Iwate university)
31	Origin of Randomness on Chaos Neural Network	Hitoaki Yoshida* (Iwate University), Takeshi Murakami (Iwate University), Taiki Inao (Iwate University), Satoshi KAWAMURA (Iwate University)
32	Non-Conformity Detection in High-Dimensional Time Series of Stock Market Data	Akira Kasuga* (The University of Tokyo), Yukio Ohsawa (The University of Tokyo), Takaaki Yoshino (Daiwa Securities Co. Ltd.), Shunichi Ashida (Daiwa Securities Co. Ltd.)
33	Recent study on the application of hybrid rough set and soft set theories in decision analysis process	Masurah Mohamad* (Universiti Teknologi Malaysia), Ali Selamat ()
34	An Binary Black Hole Algorithm To Solve Set Covering Problem	Álvaro Gómez* (PUCV), Broderick Crawford (PUCV), Ricardo Soto (PUCV), Adrián Jaramillo (PUCV), Sebastián Mansilla (PUCV), Juan Salas (PUCV), Eduardo Olguin (USS)
35	Visible Spectrum Eye Tracking for Safety Driving Assistance	Takashi Imabuchi* (Japan), Prima Oky Dicky (IPU), Hisayoshi Ito ()

Accepted Paper ID	Title	Authors
36	Multivariate Higher Order Information for Emergency Management based on Tourism Trajectory Datasets	Ye Wang (James Cook University), Kyungmi Lee (James Cook University), Ickjai Lee* (James Cook University)
37	Rare Event-Prediction with a Hybrid Algorithm under Power-law Assumption	Mina Jung* (Syracuse University), Jae C. Oh (Syracuse University)
38	“Anti–Bayesian” Flat and Hierarchical Clustering Using Symmetric Quantiloids	Anis Yazidi (Oslo and Akershus University College of Applied Sciences), Hugo Hammer* (Oslo and Akershus University C), John Oommen (Carleton University)
39	Artificial Neural Network Application for Parameter Prediction of Heat Induced Distortion	Cesar Pinzon* (Osaka University), Kazuhiko Hasegawa (Osaka University)
40	Multi-core Accelerated Discriminant Feature Selection for Real-time Bearing Fault Diagnosis	Md. Rashedul Islam (University of Ulsan), Md. Sharif Uddin (University of Ulsan), Sheraz Khan (University of Ulsan), Jongmyon Kim* (University of Ulsan), Cheol-Hong Kim (Chonnam National University)
41	Hourly Solar Radiation Forecasting Through Model Averaged Neural Networks and Alternating Model Trees	Cameron Hamilton* (Inst. for Artificial Intellige), Frederick Maier (University of Georgia), Don Potter ()
42	The Optimization of A Lathing Process Based on Neural Network and Factorial Design Method	Karin Kandananond* (Valaya Alongkorn Rajabhat Univ)
43	A conformational epitope prediction system based on sequence and structural characteristics	Tun-Wen Pai* (National Taiwan Ocean Univ.)
44	BINARY HARMONY SEARCH ALGORITHM FOR SOLVING SET-COVERING PROBLEM	Juan Salas* (PUCV), Broderick Crawford (PUCV), Ricardo Soto (PUCV), Álvaro Gómez (PUCV), Adrián Jaramillo (PUCV), Sebastián Mansilla (PUCV), Eduardo Olguin (USS)
45	The Factors Affecting Partnership Quality of Information Systems Outsourcing of PACS for Hospital	Yi-Horng Lai* (Oriental Institute of Technolo)
46	Pi-SROIQ(D): Possibilistic Description Logic for uncertain geographic information	Safia BOURAI* (ESI), Aicha Mokhtari (USTHB)

Accepted Paper ID	Title	Authors
47	On the Online Classification of Data Streams Using Weak Estimators	Hanane Tavasoli (), John Oommen (Carleton University), Anis Yazidi* (Oslo and Akershus University College of Applied Sciences)
48	Explicit Contrast Patterns versus Minimal Jumping Emerging Patterns for Lazy Classification in High Dimensional Data	Marzena Kryszkiewicz* (Warsaw University of Technolog), Przemyslaw Podsiadly (Warsaw University of Technology)
49	Twitter Feature Selection and Classification using Support Vector Machine for Aspect-Based Sentiment Analysis	Nurulhuda Zainuddin* (Universiti Teknologi Malaysia), Ali Selamat (), Roliana UTM ()
50	Smart Solution of Alternative Energy Source for Smart Houses	Ondrej Krejcar* ()
51	Exposing Open Street Map in the Linked Data cloud	AZZURRA RAGONE* (UNIV. MILANO BICOCCA), Tommaso Di Noia (Politecnico di Bari), Vito Anelli (Politecnico di Bari), Andrea Calì (University of London), Matteo Palmonari (University of Milano-Bicocca)
52	An Artificial Fish Swarm Optimization Algorithm to Solve Set Covering Problem	Sebastián Mansilla* (PUCV), Broderick Crawford (PUCV), Ricardo Soto (PUCV), Álvaro Gómez (PUCV), Adrián Jaramillo (PUCV), Juan Salas (PUCV), Eduardo Olguin (USS)
53	The Impact of Using Different Choice Functions when Solving CSPs with Autonomous Search	Ricardo Soto (PUCV), Broderick Crawford (PUCV), Rodrigo Olivares* (Universidad de Valparaíso), Stefanie Niklander (UAI), Eduardo Olguin (USS)
54	Matching Rule Discovery using Classification for Product-Service Design	AF Zakaria (Univ Tun Hussein Onn Malaysia), SC Johnson LIM* (Univ Tun Hussein Onn Malaysia)
55	Mixture of Language Models Utilization in Score-Based Sentiment Classification on Clinical Narratives	Thai Dang* (JAIST), Bao Ho (School of Knowledge Science, Japan Advanced Institute of Science and Technology)
56	How the Strategy Continuity Influences the Evolution of Cooperation in Spatial Prisoner's Dilemma Game with Interaction Stochasticity	Xiaowei Zhao* (Dalian University of Technolog), Xiujuan Xu (Dalian university of technolog), Wangpeng Liu (), Yixuan Huang (), Zhenzhen Xu ()
57	An Evaluation on KNN-SVM Algorithm for detection and prediction DDoS attack	Riza'ain Yusof* (UPM), N.I Udzir (Universiti Putra Malaysia), Ali Selamat ()
58	Reliable clustering indexes	Jean-Charles Lamirel* ()

Accepted Paper ID	Title	Authors
59	Design and Implementation of a Smartphone-based Positioning System	CHUN-CHAO YEH* (National taiwan ocean univ.), YU-CHING LO (), CHIN-CHUN CHANG ()
60	Differential Evolution for Multi-Objective Robust Engineering Design	Andrew Linton (Saint Joseph's University), Babak Forouraghi* (Saint Joseph's University)
61	FHM+: Faster High-Utility Itemset Mining using Length Upper-Bound Reduction	Philippe Fournier-Viger* (Harbin Inst. of Techn. ), Jerry Chun-Wei Lin (Harbin Inst. of Techn. Shenzhen Grad. School), Quang-Huy Duong (Hunan University), Thu-Lan Dam (Hanoi University of Industry)
62	An Assembly Sequence Planning Approach with a Multi-State Particle Swarm Optimization	Ismail Ibrahim (Universiti Malaysia Pahang), Zuwairie ""Universiti Malaysia Pahang,* (), Hamzah Ahmad (Universiti Malaysia Pahang), Zulkifli Md Yusof (Universiti Malaysia Pahang)
63	A recent study on hardware accelerated Monte Carlo modeling of light propagation in biological tissues	Ondrej Krejcar* (), Jakub Mesicek (University of Hradec Kralove), Ali Selamat (), Kamil Kuca (University of Hradec Kralove)
64	Multiple objectives reconfiguration in distribution system using non-dominated sorting charged system search	Men-Shen Tsai* (National Taipei University of )
65	Discovering Common Semantic Trajectories from Geo-tagged Social Media	Guochen Cai (James Cook University), Kyungmi Lee (James Cook University), Ickjai Lee* (James Cook University)
66	Sleep Pattern Discovery via Visualizing Cluster Dynamics of Sound Data	Hongle Wu* (The Institute of Scientific and Industrial Research, Osaka University), Takafumi Kato (Graduate School of Dentistry, Osaka University), Tomomi Yamada (Graduate School of Dentistry, Osaka University), Masayuki Numao (The Institute of Scientific and Industrial Research, Osaka University), Ken-ichi Fukui (The Institute of Scientific and Industrial Research, Osaka University)
67	Analysis of Social Networks using Pseudo Cliques and Averaging	Atsushi Tanaka* (Yamagata University)
68	Prototypical Design and Implementation of an Intelligent Network Data Analysis Tool Collaborating with Active Information Resource	Kazuto Sasai* (Tohoku University), Hideyuki Takahashi (Tohoku University), Gen Kitagata (Tohoku University), Tetsuo Kinoshita ()
69	Clustering Analysis of Vital Signs Measured during Kidney Dialysis	Kazuki Yamamoto* (University of Aizu), Yataka Watanobe ()

Accepted Paper ID	Title	Authors
70	\$MC^2\$: An integrated toolbox for change, causality and motif discovery	Yasser Mohammad* (Assiut University), Toyooki Nishida (Kyoto University)
71	Fuzzy-Syllogistic Systems: A Generic Model for Approximate Reasoning	Bora Kumova* (Izmir Institute of Technology)
72	A Smart Arduino Alarm Clock using Hypnagogia Detection during Night	Ondrej Krejcar* (), Kamil Kuca (University of Hradec Kralove), Ali Selamat ()
73	Flow Visualization Techniques: A Review	Yusman Azimi Yusoff* (Universiti Teknologi Malaysia), Farhan Mohamed (Universiti Teknologi Malaysia), Shahrizal Universiti Teknologi Malaysia (), Ali Selamat ()
74	QUasi-Affine TRansformation Evolution (QUATRE) algorithm: a new simple and accurate structure for global optimization	Jeng-Shyang Pan (), Zhenyu Meng* (Harbin Institute of Technology), Huarong Xu (), Xiaoqing Li ()
75	FPGA Implementation of Neuron Model Using Piecewise Nonlinear Function on Double-Precision Floating-Point Format	Satoshi KAWAMURA* (Iwate University), Masato Saito (P&A Technologies Inc., Iwate, Japan), Hitoaki Yoshida (Iwate University)
76	A Survey on Ontologies and Ontology Alignment Approaches in Healthcare	Vladimir Dimitrieski* (University of Novi Sad, Faculty of Technical Sciences), Gajo Petrovic ()
77	Algorithms for quantitative-based possibilistic lightweight ontologies	Salem Benferhat (CRIL), Khaoula Boutouhami (RIIMA, USTHB, Alger), Faiza Khellaf (RIIMA, USTHB, Alger), Farid Nouioua* (LSIS UMR 7296 CNRS)
78	Facial Expression Recognition Adaptive to Face Pose Using RGB-D Camera	Yuta Inoue (Tokushima University), Shun Nishide* (Tokushima university), Fuji Ren (Tokushima University)
79	A MCDM Methods Based TAM for Deriving Influences of Privacy Paradox on User's Trust on Social Networks	Chi-Yo Huang* (), Hsin-Hung Wu (National Taiwan Normal University), Hsueh-Hsin Lu (National Taiwan Normal University)
80	Solving the Set Covering Problem with the Soccer League Competition Algorithm	Adrián Jaramillo (Pontificia Universidad Católica), Broderick Crawford (PUCV), Ricardo Soto (PUCV), Sebastián Mansilla (PUCV), Álvaro Gómez (PUCV), Juan Salas (PUCV), Adrián Jaramillo* (PUCV), Eduardo Olguin (USS)
81	Performance Evaluation of Knowledge Extraction Methods	Juan Rodriguez (PhD Program on Computer Science, National University of La Plata), Hernan Merlino (Information Systems Research Group, National University of Lanus), Patricia Pesado (National University of La Plata – CIC Bs As), Ramon Garcia-Martinez* (National University of Lanus)



Accepted Paper ID	Title	Authors
82	An Event-Driven Adaptive Cruise Controller	Mohamad Khaldi* (University of Balamand), Jessica Jreijiry ()
83	Adaptive Model for Traffic Congestion Prediction	Pankaj Mishra* (Nagoya Institute of Technology), Rafik Hadfi (Nagoya Institute of Technology), Takayuki Ito ()
84	Bibliometric Tools for Discovering Information in Database	Enrique Herrera-Viedma, M. Angeles Martinez and Manuel Herrera
85	Towards a knowledge based environment for the cognitive understanding and creation of immersive visualization of expressive human movement data	<a href="#">Christopher Bowman</a> , <a href="#">Hamido Fujita</a> , <a href="#">Gavin Perin</a>

## Invited Speakers

**August 2, Tuesday**

**10:10–11:10 Room A KEYNOTE SPEECH I**



**Prof. Dr. Rose Alinda Alias**

Deputy Vice Chancellor (Academic & International)  
Universiti Teknologi Malaysia (UTM)

**Title:** “Research Areas for Leveraging Information and Communication Technologies (ICT) in Implementing Shift #9 Global Online Learning within the Malaysia Higher Education Blueprint (2015-2025)”

**Abstract:** The ten-year Malaysia Higher Education Blueprint (2015-2025) (MHEB) was launched 15 months ago in April 2015. The MHEB outlines 10 shifts where the first four focus on outcomes for key stakeholders in the higher education systems, including students in academic (Shift 1) and TVET pathways (Shift 4), the academic community (Shift 2), as well as Malaysians participating in lifelong learning (Shift 3). The other six focus on enablers for the higher education ecosystem, covering critical components such as funding (Shift 5), governance (Shift 6), innovation (Shift 7), internationalization (Shift 8), online learning (Shift 9), and delivery (Shift 10). Shift 9 (Global Online Learning) in particular, explicitly emphasized leveraging technologies and innovations such as Massive Open Online Courses (MOOCs) and blended learning for providing a conducive teaching and learning ecosystem in Malaysian universities. Within this shift, the Malaysia Ministry of Higher Education is aggressively promoting the idea of the Universities of the Future along the theme of "Rethinking Teaching and Redesigning Learning". This paper suggests possible priorities of new academic research areas that explore how ICT can be leveraged to implement the strategic initiatives within the aspirations of Shift 9. It also briefly touches on ICT opportunities in the other 9 shifts within the MHEB. It is hoped that this will generate research ideas that not only address current challenges in higher education, but also enable Malaysia to compete globally.

**Bio:** Prof. Dr. Rose Alinda was appointed as Deputy Vice Chancellor (Academic & International) at Universiti Teknologi Malaysia on 16 Januari 2012 after having served as Dean School of Graduate Studies from August 2007 until January 2012 and prior to that has held various administrative positions related to graduate studies and research management since 1996. She was promoted to the post of Professor (Information Systems Management) at the Faculty of Computer Science and Information Systems in August 2005. Prof. Dr. Rose Alinda is currently the Chairperson of the Council of Deputy Vice Chancellor and Rector (Academic & International) since June 2014 and was the Chairperson of the Malaysia Graduate School Deans' Council in January 2010 until January 2012. She is currently a member of the Malaysia Ministry of Higher Education *Core Advisor for University Transformation Program UniTP (Differentiated Academic Career Pathway)*. Her area of expertise is in Knowledge Management and Information Systems Planning & Management. She has graduated 20 PhD students and authored more than fifty publications in these areas.

**August 2, Tuesday**

**11:30–12:30 Room A KEYNOTE SPEECH II**



**Prof. Dr. Enrique Herrera-Viedma**

University of Granada,

Department of Computer Science and Artificial Intelligence

**Title:** Bibliometric Tools for Discovering Information in Database

**Abstract:** In bibliometrics, there are two main procedures to explore a research field: performance analysis and science mapping. Performance analysis aims at evaluating groups of scientific actors (countries, universities, departments, researchers) and the impact of their activity on the basis of bibliographic data. Science mapping aims at displaying the structural and dynamic aspects of scientific research, delimiting a research field, and quantifying and visualizing the detected subfields by means of co-word analysis or documents co-citation analysis. In this talk we present two bibliometric tools that we have developed in our research laboratory SECABA: H-Classics to develop performance analysis by based on Highly Cited Papers and SciMAT to develop science mapping guided by performance bibliometric indicators.

**Bio:** **Enrique Herrera-Viedma** was born in Jódar, Spain, in 1969. He received the M.Sc. and Ph.D. degrees in computer science from the University of Granada, Granada, Spain, in 1993 and 1996, respectively. He is currently the new Vice-President for Research and Knowledge Transfer in University of Granada and Professor of Computer Science with the Department of Computer Science and Artificial Intelligence. He is considered as a Highly Cited Researcher) by Shangai Center and Thomson Reuters in the categories of Engineering and Computer Science. Around 29 of his papers are classed as highly cited in the Thomson Reuters database as well as being in the top 1% of the most cited papers in its field (Computer Science and Engineering). His h-index is 51 according to the Web of Science with more than 8.000 citations received and 65 according to Google Scholar with more than 18.000 citations. His current research interests include group decision making, consensus models, linguistic modeling, aggregation of information, information retrieval, bibliometrics, digital libraries, web quality evaluation, recommender systems, and social media. Dr. Herrera-Viedma is an Associate Editor of international journals such as the IEEE Trans. On Syst. Man, and Cyb.: Systems, Knowledge Based Systems, Soft Computing, Fuzzy Optimization and Decision Making, Applied Soft Computing, Journal of Intelligent and Fuzzy Systems, and Information Sciences.

**August 3, Wednesday**

**9:30–10:30 Room A KEYNOTE SPEECH III**



**Prof. Jie Lu**

University of Technology Sydney

**Title:** New Developments of Recommender System for e-Business Intelligence

**Abstract:** This talk will first introduce some popular recommendation models and approaches. It will then present ten recent developments by our Decision Systems and e-Service Intelligence (DeSI) lab in recommender systems, including trust-enhanced recommender systems, fuzzy recommender systems, tree-structured recommender systems, group recommender systems and so on. Finally it will give few real-world applications of recommender systems in e-business intelligence.

**Bio:** Professor Jie Lu is the Associate Dean Research in the Faculty of Engineering and Information Technology (FEIT) at the University of Technology Sydney (UTS). She is also the Director of Decision Systems & e-Service Intelligence lab in Centre for QCIS. Her main research interests lie in the area of decision support systems, recommender systems, knowledge-based prediction and warning systems, fuzzy information processing and e-Service intelligence. She has published 6 research books and 350 papers in refereed journals and conference proceedings. She has won seven Australian Research Council (ARC) Discovery Project grants and 10 other research grants. She received the first UTS Research Excellence Medal for Teaching and Research Integration in 2010.

She serves as Editor-In-Chief for *Knowledge-Based Systems* (Elsevier), Associate Editor for *IEEE Trans on Fuzzy Systems*, and has served as a guest editor of ten special issues for international journals, chairs for ten international conferences as well as having delivered many keynote speeches at international conferences.

**August 4, Thursday**

**9:30–10:30 Room A KEYNOTE SPEECH IV**



**Prof. Dr. Hiroshi Okuno**

Waseda University

Professor Emeritus, Kyoto University

**Title:** Robot Audition and Beyond

**Abstract:** Robot audition, i.e., hearing capability with robot's ears, is critical for successful deployment of a robot to various environments and situations. Main functions of robot audition include *sound source localization (SSL)*, i.e., identifying the direction of arrival of each sound source originate, *sound source separation (SSR)*, i.e, separating each sound source, and recognition of separated sounds, because people usually hear a mixture of sounds. We have developed a robot audition open source software "HARK" as a general framework for robot audition applications. HARK is ported to several humanoid robots such as SIG2, Robovie, HRP-2, and Hearbo to demonstrate various types of human-robot interactions; listening to three simultaneous meal orders, robot quiz master, and co-player musical robots. In this talk, I will introduce HARK and overview its applications to human-robot interactions. Since robot audition technologies and HARK have recently been applied to more general areas, I will focus on animal calls and search-and-rescue activities. HARKBird captures sounds with an inexpensive microphone array and localize and separate birdsongs in their natural habitat. Frog chorus is analyzed by using sound-imaging devices "Firefly" and demonstrated that *Japanese Tree Frogs* call alternately in their natural habitat. As search-and-rescue activities, a hose-shaped robot with microphones estimates its 3D-posture by emitting a sound and enhances human voices. This talk is based on joint work with Dr. Kazuhiro Nakadai and our colleagues.

**Bio:** Prof. Hiroshi G. Okuno received B.A. and Ph.D from the University of Tokyo in 1972 and 1996, respectively. He worked for NTT, JST, Tokyo University of Science, and Kyoto University. He is currently a professor of Graduate Program for Embodiment Informatics, Waseda University, and a professor emeritus, Kyoto University. He is currently engaged in computational auditory scene analysis, artificial intelligence and robot audition. He received various awards including 2013 Award of Minister of Education, Culture, Sports, Science and Technology, the Best Paper Awards of JSAI in 1991 and Advanced Robotics in 2014, the Best Paper Awards of IEA/AIE-2001, 2005, 2010, and 2013, and IEEE/RSJ IROS-2010 NTF Award for Entertainment Robots and Systems. He co-edited "Computational Auditory Scene Analysis" (CRC Press, 1998), and "New Trends in Applied Artificial Intelligence" (Springer, 2007). He is a fellow of IEEE, JSAI (the Japanese Society for Artificial Intelligence), IPSJ (the Information Processing Society of Japan), and RSJ (the Robotics Society of Japan).

- Special session chairs;  
Dr. Jun Hakura (JP), [hakura@iwate-pu.ac.jp](mailto:hakura@iwate-pu.ac.jp) ,  
Dr. Prima Oky Dicky A (JP), [prima@iwate-pu.ac.jp](mailto:prima@iwate-pu.ac.jp)

## Workshop Call for Papers

1. IEA/AIE2016 Workshop on Modelling and Simulation: Real World Applications in Engineering, Science and Technology (MSRWAEST) [\(PDF download\)](#)

## Special Session Call for Papers

1. Special Session 1: On Applied Neural Networks [\(PDF download\)](#)
2. Special Session 2: On Innovations in Intelligent Systems and Applications [\(PDF download\)](#)

### Detailed formatting and submission instructions:

These guidelines are for initial submissions for review only. Camera-ready submission guidelines will be announced later.

### 1. General Instructions:

- \* **Language:** All manuscripts must be in English.
- \* **File Format:** Papers submitted for review should be in doc, docx, or pdf format.
- \* **Paper Length, Completed Research papers:** Completed research papers must not exceed **twelve (12)** single-spaced pages and must conform to Springer's guidelines for Lecture Notes in Artificial Intelligence(LNAI).

The **12** pages must include all text, figures, tables, and appendices. In other words, cover page, abstract, keywords, and references are excluded from this page count.

(Author guidelines and templates by Springer are available at <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>)

### 2. All papers should be submitted electronically using the conference's online submission system at IEA/AIE 2016 online paper submission page.

The direct link for paper submission is

<https://cmt.research.microsoft.com/IEAAIE2015/>

### 3. The submitted papers should not have been submitted for review, accepted for publication, or already published elsewhere.

### Notification of acceptance

All submitted papers will be reviewed by the Program Committee or Session Organizer according to the standard review procedures.

Notification of acceptance will be sent by e-mail to corresponding, presenting and abstract submitting authors until March 15, 2016.

You can also check the result of your paper at the online system

<https://cmt.research.microsoft.com/IEAAIE2015/>.

## Program at a Glance

[Program](#) [Outline \(final\)](#) [\(Down load\)](#)

[Program \( final\)](#)

### • Coming to Morioka city

This is to help you to prepare your travel to attend the IEA/AIE 2016 in Morioka city, Iwate Region is part of Tohoku region in Japan. The conferences are held in Aiina on 2 – 4 August, 2016.

On the 3 August, we have a banquet at Morioka Grand Hotel (Sponsored jointly by Iwate Prefectural University).

More information on the location (Iwate):

<http://www.japan-iwate.info/>

By Train:

Participants are to arrive at Morioka station by Shinkansen, from Tokyo.

It takes about 2 and half hours from Tokyo station to Morioka (using Hayabusa, Hayate or Komachi Shinkansen).

<http://www.jreast.co.jp/e/>

The Shinkansen Train is available in almost every one hour from Tokyo.

To use the Shinkansen for Morioka, you need to make seat reservations.

Visit a JR Ticket Office (Green window or Midori-no-madoguchi) or Travel Service Center, located in any JR East stations, and present your JR East Pass to reserve a seat.

You also should make seat reservations of a Train between Narita airport and Tokyo station.

For example, Narita Express runs every one hour and provides an easy and comfortable way to travel to Tokyo station.

Narita Express website: <http://www.jreast.co.jp/e/nex/index.html>

We recommend you purchase “Flexible 4-day JR East Pass”, which allows unlimited rail travel in JR East area (e.g. between Narita Airport and Morioka Station) for any four days.

# Tour

This company will support your tour in Japan.

## [KNT-CT Holdings Co., Ltd](#)

[Information for Foreigners - Introduction to Iwate / Sightseeing Destinations](#)

Hotels and Hot Springs (almost Japanese)

1. [岩手の宿\(岩手県旅館ホテル生活衛生同業組合\)\(Lodges in Iwate\)](#)
2. [金田一温泉 \(Kindaichi Onsen\)](#)
3. [安比高原温泉 \(Appi Onsen\)](#)
4. [八幡平温泉郷 \(Hachimantai Onsen\)](#)
5. [つなぎ温泉 \(Tsunagi Onsen\)](#) ---> Nearest Morioka
6. [鶯宿温泉 \(Oshuku Onsen\)](#)
7. [花巻温泉郷 \(Hanamaki Onsen\)\)](#)
8. [湯田温泉郷泉 \(Yuda Onsen\)](#)

# Conference Venue

<http://www.aiina.jp/en/index.html>

### **How to come to Morioka-----**

Please check this using the Internet,

The below link you can see the **Tohoku region**:

<http://www.jreast.co.jp/e/routemaps/tohokushinkansen.html> (you can see the Tohoku regiontrains in the lower part of the page)

If you search the internet Tohoku Shinkansen: you will see:

[https://www.eki-net.com/pc/jreast-shinkansen-reservation/english/wb/common/timetable/e\\_tohoku\\_d/10.html](https://www.eki-net.com/pc/jreast-shinkansen-reservation/english/wb/common/timetable/e_tohoku_d/10.html)

The above is the time table you can scroll the pages (in the bottom) to select the best train. It takes two hours and 15 min, on those named as Hayabusa or Hayate. As shown in the above link:

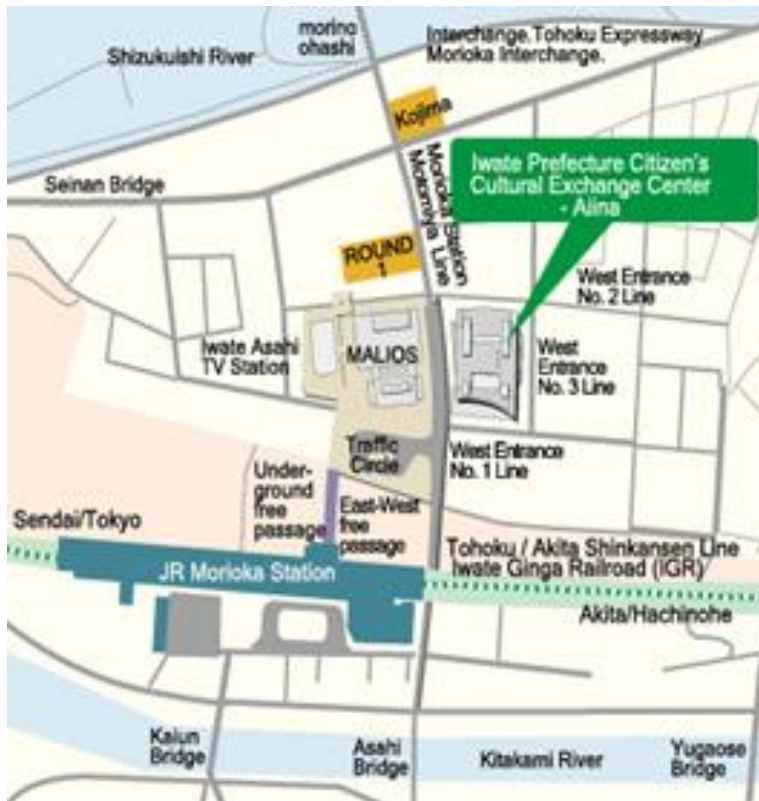
Also you may do the booking for your seat on-line:

[https://www.eki-net.com/pc/jreast-shinkansen-reservation/English/wb/common/Menu/Menu.aspx?\\_ga=1.260860681.584591531.1461054831](https://www.eki-net.com/pc/jreast-shinkansen-reservation/English/wb/common/Menu/Menu.aspx?_ga=1.260860681.584591531.1461054831)



## How to come the Conference venue

The conference is located in Aiina (<http://www.aiina.jp/en/>) on 8th Floor  
<http://www.aiina.jp/en/access-en.html>



**Aiina 8th Floor 803**

The Aiina Hall is easy access from Morioka station on foot with 5 mins.

At Morioka station arrival by Shinkansen you exit on North gate, (the label in the middle of the map) and then after the North Gate Shinkansen exit in about 10 meter you turn left for tunnel like passage, it is around 300 meter, and at its end you can observe Aiina Hall. Take the elevator to floor #8.

**There, we accept earlier registration on 1<sup>st</sup> August (Monday), 18:00-19:00.**

On 2<sup>nd</sup> - 4th August, the registration starts from 9:00 AM.

## Accommodation

For the upcoming IEA/AIE 2016, we, Kinki Nippon Tourist Co., Ltd., the official travel agency for IEA/AIE,

are pleased to assist participants in making hotel reservations through this reservation site.

<http://biz.knt.co.jp/tour/2016/iea/>

Please read below for terms and conditions, and make your reservation at your earliest convenience.

### Hotel Accommodation

Rooms have been reserved for you in hotels located Morioka city.

Please note that the hotel reservations are made on a first-come-first-serve basis, and have to be confirmed with full payment.

Please see "PAYMENT" in details.

Hotel Name	Room type	Occupancy	Price (per room per night)	Access
<b>Hotel Metropolitan Morioka</b> 1-44 Morioka, Ekimae-dori, Morioka <a href="http://www.metro-morioka.co.jp/">http://www.metro-morioka.co.jp/</a>	Single Room	1	JPY 12,000	1 min from Morioka Station on foot 5min to Aiina Center by walk
<b>Hotel Pearl City Morioka</b> 3-7-19 Odoori Morioka <a href="http://www.pearlcity.jp/morioka/">http://www.pearlcity.jp/morioka/</a>	Single Room	1	JPY 8,500	5 min from Morioka Station on foot 9min to Aiina Center by walk
<b>Hotel Route Inn Morioka Ekimae</b> 3-25 Ekimae-dori Morioka <a href="http://www.route-inn.co.jp/search/hotel/">http://www.route-inn.co.jp/search/hotel/</a> (JAPANESE)	Single Room	1	JPY 9,000	1 min from Morioka Station on foot 7min to Aiina Center by walk
<b>HOTEL NEW CARINA</b> 2-3-7 Saien Moriokashi <a href="http://www.hotel-newcarina.co.jp/access/">http://www.hotel-newcarina.co.jp/access/</a> (JAPANESE)	Single Room	1	JPY 9,500	12 min from Morioka Station on foot 16min to Aiina Center by walk
<b>MORIOKA GRAND HOTEL ANNEX</b> 1-9-16 cHUODORI Moriokashi <a href="http://www.m-grand-annex.jp/">http://www.m-grand-annex.jp/</a> (JAPANESE)	Twin Room	2	JPY20,000	12 min from Morioka Station on foot 16min to Aiina Center by walk

- Above rates are per room per night including service charge and 8% consumption tax.
- Breakfast is included.
- Above rates are valid only during the period of IEA/AIE.
- Accommodation itinerary:  
First Day: Check-in individually  
Last Day: Check-out individually
- Minimum participant required: 1 person (MORIOKA GRAND HOTEL ANNEX/2 persons)
- Tour guide will not accompany.
- Reservations are only confirmed when full payment has been made.
- Please notify Kinki Nippon Tourist if you expect to arrive at your hotel after 10p.m. on the arrival day to avoid cancellation of reservation.
- Any personal expenses (e.g. telephone, laundry, etc) are not included in the room rates and should be settled by yourself with the hotel either by cash or credit card upon check-out.
- Hotel reservations are made on a first-come-first-serve basis. Please note that rooms may be sold out before application deadline.
- Hotel parking is chargeable. Please contact the hotel directly, if you need a car parking.

## PAYMENT

### **Deadline for Credit Card Payment: 14 July, 2016**

Payment of hotel accommodation and/or tour should be made in Japanese Yen only by credit card by **July 14, 2016** and your reservation will be completed after the payment. Confirmation of the payment will be informed to your e-mail address.

Payment Method Credit Card by Online  
(VISA, Master Card, American Express, Diners Club or JCB only)  
\*Note\*

Drawer of this online payment transaction will be "Kinki Nippon Tourist Co., Ltd. / KINTETSU INTERNATIONAL".

Please use a credit card which is valid at least until Aug 2016.

## CHANGES AND CANCELLATION

Changes and cancellations can be made online until 13 July. After 14 July, a written notification should be sent to Kinki Nippon Tourist by e-mail to avoid any trouble.

The date and time of the change and cancellation will be based on the working hours (Monday through Friday 09:30(am)-17:30(5:30pm) [Japan time] except national holiday (21 July). After working hours, cancellation will be made next day, which may incur charges.

<b>Up to 21 days prior to the date of your stay</b>	No charge
<b>20-8 days prior to the date of your stay</b>	20% of the travel rate (the room charges)
<b>7-2 days prior to the date of your stay</b>	30% of the travel rate (the room charges)
<b>1 day before the date of your stay</b>	40% of the travel rate (the room charges)

<b>On the date of your stay (before check-in time)</b>	50% of the travel rate (the room charges)
<b>On the date of your stay (after check-in time) or no notice given</b>	100% of the travel rate (the room charges )

## Proceed to Reservation

### Contact

KINKI NIPPON TOURIST Co., Ltd Morioka Sales Office

2-2-5 Chuodori Moriokashi Iwate 020-0021 Japan

Open Mon-Fri 09:30-17:30(Japan time)

E-mail : [hashimoto883911@knt-th.co.jp](mailto:hashimoto883911@knt-th.co.jp)

### The Letter of Invitation Request

If you require a letter of invitation from IEA/AIE 2016 for your VISA, please send e-mail to [jsasaki@iwate-pu.ac.jp](mailto:jsasaki@iwate-pu.ac.jp).

In your request e-mail, you should include the following information:

Full name, Gender, Title, Company/University, Full Address, Telephone No. E-mail, and "accepted paper ID".

Both of the following criteria must be met by the requesting party in order to honor the request for a letter of invitation:

Be an author of an accepted paper.

Have paid the registration fee in full for this conference.

If you are from a country which requires a VISA Invitation Letter, you will receive the letter after you register.

Please make sure to attach the scanned file of registration receipt in your request e-mail.

Once we receive the request of letter, the invitation letter will be sent to you by mail.

### Past IEA/AIEs

- [2015](#)
- [2014](#)
- [2013](#)