

# Conference PROGRAM

The Fifth International Conference on Electronics and Software Science (ICESS2019)

The Eighth International Conference on Informatics and Applications (ICIA2019)



Venue: Takamatsu Sunport Hall Building (right side of the highest 30-Floors Symbol Tower)

Address: 2-1 Sunport, Takamatsu, Kagawa 760-0019, Japan

Website: <http://www.city.takamatsu.kagawa.jp/english/sightseeing/eats/takamatsu-symbol-tower.html>

Conference Dates: August 02nd – August 04th, 2019

Conference Website: <http://sdiwc.net/conferences/fifth-icess-2019/>

<http://sdiwc.net/conferences/eighth-icia-2019/>

Email: [icess19@sdiwc.net](mailto:icess19@sdiwc.net) and [icia19@sdiwc.net](mailto:icia19@sdiwc.net)

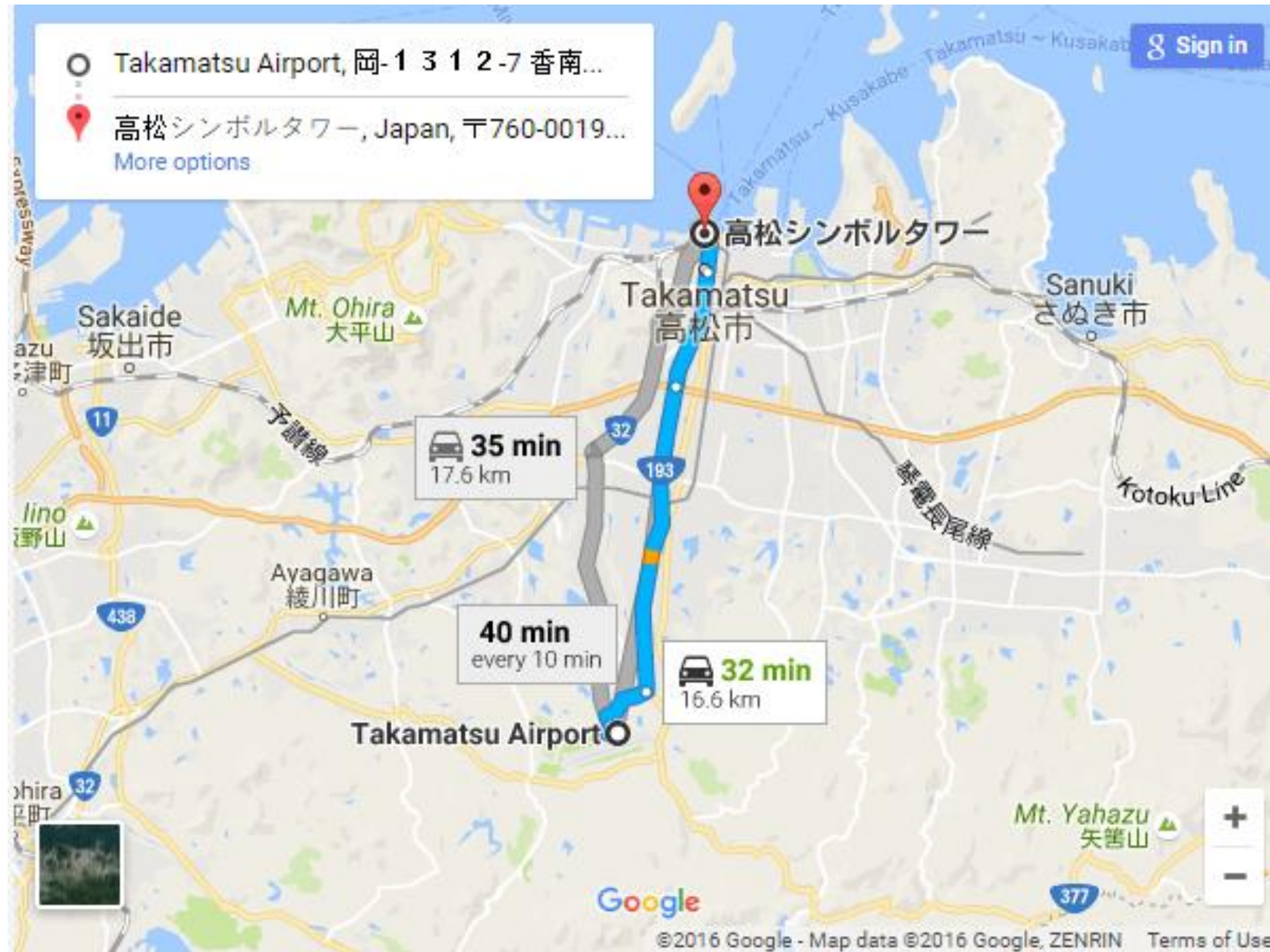
Notes:

**The time of each presentation including questions is 20 minutes.** Please adhere to it.

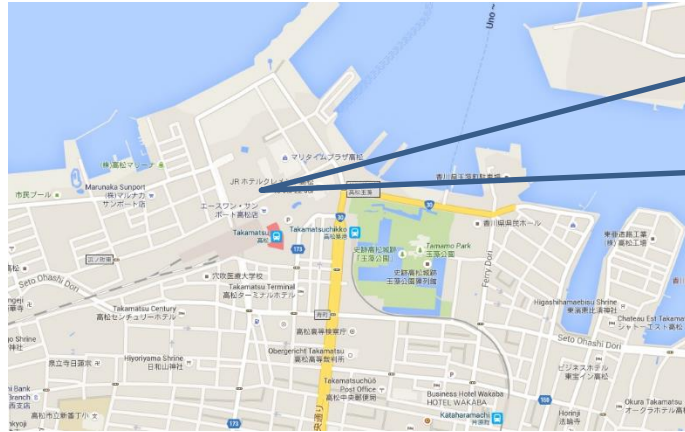
**Host Country:** Japan

**Participating Countries:** Canada, Japan, Singapore, Slovenia, Spain, Taiwan, Thailand, United Arab Emirates and United Kingdom

The only nearest airport that leads to the venue is: Takamatsu Airport  
Address: 1312-7 Konanchooka, Takamatsu, Kagawa 761-1401, Japan



## Access to the Venue of Our SDIWC ICESS2019 & ICIA2019 Conferences



Very near Takamatsu Station and face to SetoNaikai (like Mediterranean Sea)

### Access to the Venue

The conference will be held at the Sunport Hall Takamatsu, Takamatsu, Japan.

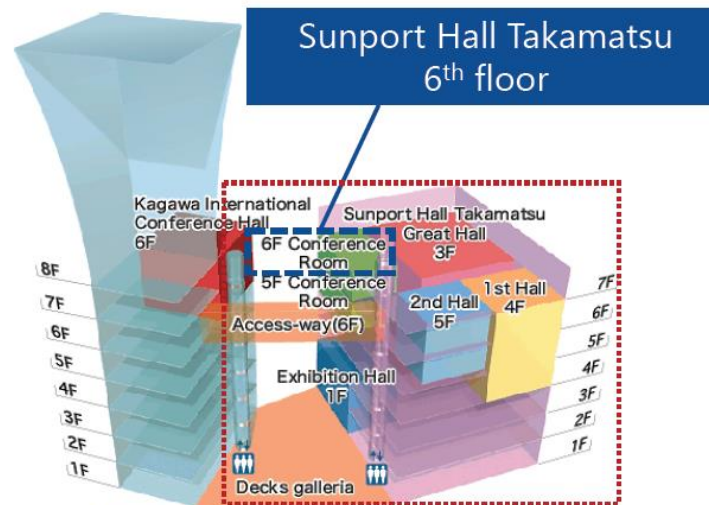


<http://www.symboltower.com/hall/english/>

Sunport Hall Takamatsu  
(2-1 Sunport, Takamatsu-shi)

Our SDIWC ICESS2019 / ICIA2019 Conferences will be held at the **Sunport Hall** Takamatsu, exactly, at the 6 Floor of the Sunport Hall Building (Right side of the highest (30F) Symbol Tower)

### Access to the Venue



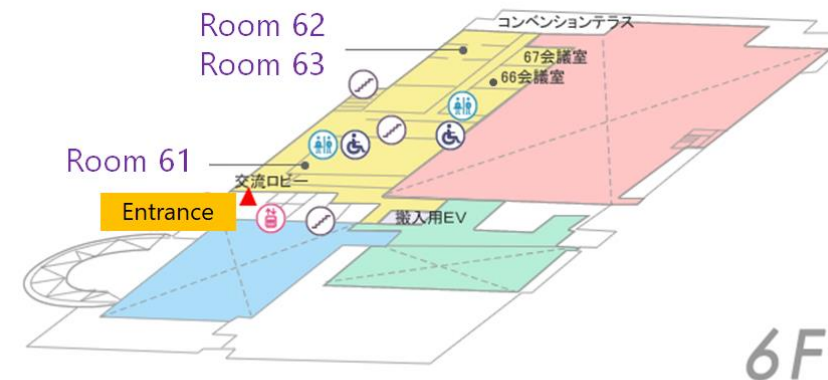
<http://www.symboltower.com/hall/english/convention.html>

<http://www.sunport-hall.jp/access/>

<http://www.sunport-hall.jp/institution/floor/>

<http://www.sunport-hall.jp/document/flow/2.pdf>

### Access to the Venue



<http://www.sunport-hall.jp/institution/floor/>

--- the highest Tower 30F landmark and Lunch on the second day

---- the Sunport Hall Building 6F **Our Final Destination**

-- You can see the floor maps for Hall Building

-- You can see the detail view of each floor



# ICESS2019 and ICIA2019 Schedule

Date	Time	Activity
2nd of August, 2019 (Friday)	9:00 am – 10:00 am	Registration
	9:30 am –9:50 am	Chair Greetings
	9:50 am – 11:00 am	Keynote Speech - 61 by <b>Mr. Antonio Martínez-Arboleda</b>
	11:00 am – 12:30 pm	Parallel Session 1 - 61/62/63
	12:30 pm – 14:10 pm	Lunch Break
	14:20 pm –16:00 pm	Parallel Session 2 - 62/63
	16:00 pm –17:10 pm	Parallel Session 3 - 62/63
	<u>17:30 pm-19:30 pm</u>	Night Excursion with eating at Udon Restaurant
3rd of August, 2019 (Saturday)	9:30 am – 10:00 am	Registration
	10:00 am – 11:20 pm	Parallel Session 4 - 62/63
	12:00 pm – 13:30 pm	Lunch Break
4th of August, 2019 (Sunday)	09:25 am – 18:25 pm	One day Bus Tour with Sanuki Udon or Another Famous Food

DETAILED PROGRAM

The First Day of ICES2019+ICIA2019 (Friday, the 2nd of August, 2019 )

9:00 am – 10:00 am Registration @ Sunport Hall 6 Floor

Title	Keynote Speech + Greeting	Web-based System and Computation	Communication and Interface
Room	61	62	63
Time	9:30 am – 11:00 am	11:10 am – 12:30 pm	
Chair	Dr. Yoshiro Imai	Dr. Seiichi Koakutsu	Dr. Primož Podržaj
	<p>Keynote Title:</p> <p><i>Digital Education and Universities: Collaborative Solutions for a Global Challenge</i></p> <p>Mr. Antonio Martínez-Arboleda</p> <p>Principal Teaching Fellow, University of Leeds, UK</p> <p>Co-director of The Centre for Research in Digital Education of the University of Leeds</p>	<p>103-Examination of a Method for Determining Web News Suitable as Teaching Materials of NIE toward News Recommendation for Elementary School Teachers (by Shinya Seki, Kazuaki Ando; JAPAN)</p> <p>105-Automatic Identification of Plant Physiological Disorders in Plant Factory Using Convolutional Neural Networks (by Shigeharu Shimamura, Kenta Uehara, Seiichi Koakutsu; JAPAN )</p> <p>111-Novel Boost Chopper Delivering Power During Both On and Off Periods (by Keiju Matsui, Mikio Yasubayashi, Eiji Oishi, Masaru Hasegawa; JAPAN)</p>	<p>116-A Scheme to Carry out Questionnaire in order to Evaluate Product Design and its Level of Excellence (by Masatoshi Imai, Katsunori Shimohara, Yoshiro Imai, Tetsuo Hattori; JAPAN)</p> <p>203-A Case Study of Accepting an International Student from Turkey to Japan (by Yuri Machihara, Yoshiro Imai, Peter Lutes, Long Lim, Masaaki Tokuda; JAPAN)</p> <p>206-Cultivation of Japan-France Exchange (by Yukako Uemura, Serguei Bezoumov, Yoshiro Imai, Peter Lutes, Koichi Mizuno, Masaaki Tokuda; JAPAN)</p> <p>202-A brief demonstration of some Python GUI libraries (by Primož Podržaj, SLOVENIA)</p>

Lunch 13:00-14:25pm      Lunch Buffet (“Lunch Vikig” in Japanese)@ CAFE & RESTAURANT Vent

The First Day of ICES2019+ICIA2019 (Friday, the 2nd of August, 2019 )

Title		Algorithm, Experiments and Optimization	Network and Evaluation
Room	61	62	63
Time	14:10 pm –14:30 pm	14:20 pm –16:00 pm	
Chair	Dr. Yoshiro Imai	Dr. Koji Kagawa / Dr. Isamu Shioya	Dr. Shinji Tsuzuki / Dr. Kazuaki Ando
		<p>108-Construction of a Learning Environment for Multiple Programming Languages using Blockly (by Yuya Sano, Koji Kagawa: JAPAN)</p> <p>112-Some Experiments of the Dissemination of Culture on Networks (by Shunya Nozawa, Isamu Shioya- JAPAN)</p> <p>113-Residential Segmentation using Self-Organization on Rectangle Sections (by Takahiro Suzuki, Yukitaka Kobayashi, Mitsuru Usui, Isamu Shioya- Japan)</p> <p>114-Piece-Wise Linear Line Simplification by Self-Organization using the Second Order Auto Regression (by Akira Wake, Isamu Shioya- JAPAN)</p>	<p>104-Implementation and Evaluation of Simultaneous Session Limitation Mechanism (by Ryo Shibahara, Hiroki Tone, Keizo Saisho; JAPAN)</p> <p>106-A Method to Evaluate Accumulated Stress Using Nail Image (by Kazuki Shimamoto, Shin-ichi Ito, Momoyo Ito, Minoru Fukumi, JAPAN)</p> <p>107-Multiclass Classification and Regression Analysis of Muscle Fatigue Using Wrist EMG (by Misato Matsushita, Shin-ichi Ito, Momoyo Ito, Minoru Fukumi, JAPAN)</p> <p>101-A Cloud Simulator of Fire Spreading to Support Residents' Disaster Management Plannings (by Shinji Tsuzuki, Toru Futagami, Tsuneyo Kan, Akira Demizu, Masayasu Watanabe, Yoshio Yamada, Yukio ABE, Masashi Sugimoto, Kenichiro Morimoto; JAPAN )</p>

The First Day of ICESS2019+ICIA2019 (Friday, the 2nd of August, 2019 )

Title		Machine Learning	Data Mining and Network Security
Room	61	62	63
Time	14:10 pm –14:30 pm	16:00 pm –17:10 pm	
Chair	Dr. Yoshiro Imai	Dr. Masashi Sugimoto	Dr. Yoshiro Imai
		<p>115-An Experimental Study for Exploration-oriented Behavior in Maze-solving using Reinforcement Learning (by Masashi Sugimoto, Shinji Tsuzuki, Shiro Urushihara, Kazunori Hosotani, Manabu Kato, Hitoshi Sori, Hiroyuki Inoue; JAPAN)</p> <p>109-Using Eye Gaze to Play Mind Card-game using Neural Network (by Qingyao Hu, Seanglidet Yean, Jigang Liu, Bu Sung Lee, Deepu Rajan, Romphet Phattharaphon; Singapore &amp; Thailand)</p> <p>110-Detection of Dangerous Objects By Pan-tilt Camera (by Yurika Fujii, Shin-ichi Ito, Momoyo Ito, Minoru Fukumi; Japan)</p>	<p>204- The Cyber Security Biometric Authentication based on Liveness Face-Iris Images and Deep Learning Classifier (by Sulaiman Alshebli, Mahmoud Shafik, Fatih Kurugollu; UK)</p> <p>205- An Efficient Cloud-based Network Data Access Using CP-ABE Encryption Method (by Maryam Safarian Nejad, Mohammad V. Malakooti, Navid Hashemi Taba; U.A.E)</p>

Night Excursion 17:30-19:30pm      Sightseeing Takamatsu Castle+ Excursion with dinner @ UDON RESTAURANT Yamada-Ya

The Second Day of ICESS2019+ICIA2019 (Tuesday, the 3rd of August, 2019 )

9:30 am – 10:00 am Registration @ Sunport Hall 6 Floor

Title		Special Session: <b>How to Improve International Cooperation</b>	Special Session: <b>Cyber Security and Cloud Security</b>
Room	61	62	63
Time		10:00 am – 11:20 am	
Chair		Mr. Antonio Martínez-Arboled / Mrs. Hayley Michelle Martínez-Arboled	Dr. Yoshiro Imai / Dr. Primož Podržaj
		<p>"A Proposal Approach for Small Starting of International Collaboration through International Internship Program", Yoshiro Imai, Koji Kagawa, Yukako Uemura, Yuri Machihara, Yoshiro Ikeura, Yoshika Nakayama: <i>Proceedings of Asia-Pacific Conference on Engineering and Natural Sciences (APICENS-2019@Bangkok)</i>, ISBN 978-986-89298-2-1, pp.257-267, March 2019.</p> <p>203-A Case Study of Accepting an International Student from Turkey to Japan (by Yuri Machihara, Yoshiro Imai, Peter Lutes, Lrong Lim, Masaaki Tokuda; JAPAN)</p> <p>206-Cultivation of Japan-France Exchange (by Yukako Uemura, Serguei Bezoumov, Yoshiro Imai, Peter Lutes, Koichi Mizuno, Masaaki Tokuda; JAPAN)</p>	<p>"Application and Evaluation of Visual CPU Simulator to Support Information Security Education" Yoshiro Imai, Shinya Hara, Shunsuke Doi, Koji Kagawa, Kazuaki Ando, Tetsuro Hattori: <i>IEEJ Transaction on Electronics, Information and Systems Vol. 138, No.9, pp.1116-1122</i> <a href="https://doi.org/10.1541/ieejeiss.138.1116">https://doi.org/10.1541/ieejeiss.138.1116</a></p> <p>204- The Cyber Security Biometric Authentication based on Liveness Face-Iris Images and Deep Learning Classifier (by Sulaiman Alshebli, Mahmoud Shafik, Fatih Kurugollu; UK)</p> <p>205- An Efficient Cloud-based Network Data Access Using CP-ABE Encryption Method (by Maryam Safarian Nejad, Mohammad V. Malakooti, Navid Hashemi Taba; U.A.E)</p>

Lunch 12:00-13:30pm Lunch (**not yet decided !**)@ **CHINESE RESTAURANT Chen**



The Third Day for One Day Bus Tour

Meeting Time 09:25 am

Meeting Place Sunport Hall 1st Floor (Ground Floor)

Time	Place	Event
09:25 am	Takamatsu Sunport Hall 1stFloor	MeetingTime/MeetingPlace
09:30 am	Start from Takamatsu to the West	
10:30 am	Sightseeing from BUS Marugame Castel	
11:00 am	Nakadu Bansyouen Japanese Garden	Entering Nakadu Bansyouen  Walking around Garden + Lunch
14:30 pm	Arriving at Kotohira	
	Kanamaru Za old theater building	Entering and looking at Kanamaru Za
	Kompira/Konpira Shrine	Walking Upstairs to Kompira Shrine
16:30 pm	Arriving at Chichibu-ga-Hama Seaside	Walking along ChichiBu-ga-Hama
17:15 pm	Returning to Takamatsu	
18:25 pm	Arriving at Takamatsu Sunport	(sorry, we cannot serve the dinner ;-)

ICESS2020 and ICIA2020 will be held in the same place (Sunport Hall, 6F) on the 2nd of November (Monday), 2020. Please check `` <https://sdiwc.net/> ``

(May the above URL and SDIWC  be with you !)

