



FoodCAS Satellite Event @ISCAS19

Sunday, 26th May 2019

Sapporo Convention Center, Sapporo, Japan

ROOM 14

General Program

Time	Activity	
08h00	Registration	
08h30	Opening	
08h45	Keynote 1	Franco Fassio <i>Circular Economy for Food. Matter, energy and knowledge, in a circle</i>
09h30	Lecture Session 1	Food & Drinks - I (4 papers – 20 mins each)
10h50	Break + Posters	
11h10	Lecture Session 2	Food & Drinks - II (4 papers – 20 mins each)
12h30	Lunch	
13h30	Keynote 2	Liwei Lin <i>Three-dimensional Microelectronics for in situ Monitoring of Milk Spoilage</i>
14h15	Lecture Session 3	Agriculture & Plants - I (4 papers – 20 mins each)
15h35	Break + Posters	
15h55	Lecture Session 4	Agriculture & Plants – II (4 papers – 20 mins each)
17h15 – 18:00	Closing Remarks	Interactive Panel Discussion. Decision about the next steps of FoodCAS.



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Session Program

Lecture Session 1: Food & Drinks – I (Room 14)

9:30	2428	Marco Carminati, Lorenzo Mezzera, Andrea Turolla, Gaia Pani, Marco Tizzoni, Michele Di Mauro, Manuela Antonelli	Flexible Impedance Sensor for in-Line Monitoring of Water and Beverages
9:50	2430	Mason Greer, Cheng Chen, David Ariando, Soumyajit Mandal	Autonomous Monitoring of Fat, Water, and Sodium Content in Cheese Products Using Low-Field NMR
10:10	2418	Sho Hideshima, Shigeki Kuroiwa, Hiroki Hayashi, Yoshitaka Harada, Mika Tsuna, Toshiyuki Momma, Tetsuya Osaka	Semiconductor-Based Portable Biosensor for Food Allergen Detection
10:30	2424	Ádám György Szélig, Kristóf Iván, István Kucsera, András József Laki	Detection of Trichinella Larvae Using a Microfluidic-Based Flow Through Nematode Filter

Lecture Session 2: Food & Drinks - II (Room 14)

11:10	2438	Giulia Baldazzi, Giorgia Sollai, Melania Melis, Mariano Mastinu, Roberto Crnjar, Iole Tomassini Barbarossa, Piero Cosseddu, Annalisa Bonfiglio, Danilo Pani	Application of the electrotastegram Method to the Analysis of the Response to Oleic Acid
11:30	2432	Ahmet Mert Karadeniz, Ibrahim Arif, Alper Kanak, Salih Ergun	Digital Twin of eGastronomic Things: a Case Study for Ice Cream Machines
11:50	2368	Tsuyoshi Tanaka, Yoshiaki Maeda, Tadashi Matsunaga	Colony Fingerprinting - a Novel Method for Discrimination of Food Contaminating Microorganisms Based on bioimage Informatics
12:10	2433	Simone Benatti, Marco Guermandi, Luca Benini, Victor Kartsch	Towards a Wearable Interface for Food Quality Grading Through ERP Analysis

Lecture Session 3: Agriculture & Plants - I (Room 14)

14:15	2429	Lee Bar-On, Aakash Jog, Yosi Shacham-Diamand	Four Point Probe Electrical Spectroscopy Based System for Plant Monitoring
14:35	2457	Matias Miguez, Ruben De Leon, Gabriel Vicente, Roberto Zoppolo	Real Time Tree Row Volume estimation for Efficient Application of phytosanitaries in Fruit Trees
14:55	2421	Paolo Motto Ros, Enrico Macrelli, Alessandro Sanginario, Yosi Shacham-Diamand, Danilo Demarchi	Electronic System for Signal Transmission Inside Green Plant Body
15:15	2447	Davit Hovhannisyan, Kareem Khalifeh, Peng Fei, Ahmed Eltawil, Fadi Kurdahi	Feasibility Study of Plant Health Monitoring

Lecture Session 4: Agriculture & Plants - II (Room 14)

15:55	2440	Bruno Bellini, Juan Pablo Becoña, Sofia Pereira, Cristian Vazquez, Alfredo Arnaud	IoT in the Agribusiness, a Power Consumption View
16:15	2412	Victor Grimblatt, Guillaume Ferré, Francois Rivet, Christophe Jego, Nicolas Vergara	Precision Agriculture for Small to Medium Size Farmers - an IoT Approach
16:35	2415	Marian Ion, Carmen Moldovan, Mihaela Savin, Silviu Dinulescu	Integrated Sensor Array Platform for Monitoring Chemical Contaminants in Water Sources
16:55	2436	Jirabhorn Chaiwongsai	Automatic Control and Management for Tropical Hydroponic Cultivation



FoodCAS POSTER SESSION, 09h00 – 18:00

Posters will be displayed in front of Room 14.

2448	Sercan Tanriseven, Niyazi Ugur, Yasin Simsek, Salih Ergun	ERINOKS: Energy-Efficient Induction-Based Food Processing for Optimized Kitchens
2443	Davit Hovhannisyan, Ahmed Eltawil, Fadi Kurdahi	Testing Topology Adaptive Irrigation IoT with Circuits
2419	Heng Zhao, Kim-Hui Yap, Kot Alex, Lingyu Duan	Few-Shot and Many-Shot Fusion Learning in Mobile Visual Food Recognition
2417	Nipun Katyal, Mukul Kumar, Prathamesh Deshmukh, Ruban Nersisson	Automated Detection and Rectification of Defects in Fluid-Based Packaging Using Machine Vision