

3rd World Congress on Electrical Engineering and Computer Systems and Science (EECSS'17)

The congress consists of:

CCA'17	International Conference on Cloud Computing and Applications
SNSM'17	International Conference on Social Networks and Social Media
VMW'17	International Conference on Vehicular, Mobile and Wearable Technology
ICBES'17	4 th International Conference on Biomedical Engineering and Systems
EEE'17	3 rd International Conference on Electrical Engineering and Electronics

Registrants from the five conferences are permitted, and even encouraged, to attend sessions from any of the five conferences.

Sunday

June 4, 2017

3:00 PM - 5:00 PM **Registration**

Monday

June 5, 2017

Please click on a session title to view the details

8:00 PM Registrations

9:00 AM **Official Opening**
Dr. P.A.M. Kommers, University of Twente, The Netherlands

9:30 AM **Multiplexing FLIM for High Content Screening Applications**
Keynote Lecture Dr. Qiyin Fang, McMaster University, Canada

10:30 AM Coffee Break

11:15 AM **Electrical and Computer Engineering I**
Session

12:10 PM **Biomedical Engineering I**
Session

1:00 PM Lunch

2:00 PM **Media After Everybody and -Thing is Connected**
Workshop PART 1 Dr. P.A.M. Kommers, University of Twente, The Netherlands

2:45 PM Coffee Break

3:05 PM - 3:50 PM **Media After Everybody and -Thing is Connected**
Workshop PART 2 Dr. P.A.M. Kommers, University of Twente, The Netherlands

Tuesday

June 6, 2017

Please click on a session title to view the details

9:00 AM **Virtual and Vicarious as Game Changers in the 21st Century**

Keynote Lecture [Dr. P.A.M. Kommers, University of Twente, The Netherlands](#)

9:50 AM **Robotics for Healthcare Productivity Improvement**

Keynote Lecture [Dr. Haoyong Yu, National University of Singapore, Singapore](#)

10:40 AM **Coffee Break**

10:40 AM - 11:30 AM **Poster Session**

Session

11:10 AM **Electrical and Computer Engineering II**

Session

12:05 PM **Group Photo**

12:10 PM **Lunch**

1:10 PM **Biomedical Engineering II**

Session

3:00 PM **Coffee Break**

3:20 PM - 5:05 PM **Biomedical Devices**

Session

8:00 - 10:00 **Closing Ceremony**

Monday

June 5, 2017

[Back to Schedule](#)

8:00 AM - 9:00 AM **Registration**

9:00 AM - 9:30 AM **Official Opening of the Congress**

Dr. P.A.M. Kommers, University of Twente, The Netherlands

9:30 AM - 10:30 AM **KEYNOTE LECTURE**

Session Chair: **Multiplexing FLIM for High Content Screening Applications**
Dr. P.A.M. Kommers

Dr. Qiyin Fang, McMaster University, Canada

10:30 AM - 11:15 AM **COFFEE BREAK**

Monday

June 5, 2017

[Back to Schedule](#)

11:15 AM - 12:10 PM **SESSION CHAIR:** Dr. Qiyin Fang

Electrical and Computer Engineering I

EEE 110 **A 3-wire SPI Protocol Chip Design with Application-Specific Integrated Circuit (ASIC) and FPGA Verification**
11:15 - 11:35

Min-Chun Tuan, Shih-Lun Chen, Yu-Kuen Lai, Chun-Chieh Chen, and Ho-Yin Lee
Chung Yuan Christian University, Taiwan

EEE 113 **Camera Color Correction Using Normalized Signal Polynomial Regression**
11:35 - 11:55

Yu-Che Wen, *Senfar Wen*, Yu-Hsiung Lin
Yuan Ze University, Taiwan

EEE 112 **Power Systems Analysis Software for Fast Process Automation**
11:55 - 12:10

Arnolda Rožanskienė, *Linas Markevičius*, Andronis Linas Markevičius
JSC "Protronika", Lithuania

12:10 PM - 12:55 PM **SESSION CHAIR:** Dr. Qiyin Fang

Biomedical Engineering I

ICBES 113 **Linking Gene Dynamics to Intimal Hyperplasia – A Predictive Model of Vein Graft Adaptation**
12:10 - 12:25

Stefano Casarin, Scott A. Berceci, and Marc Garbey
Methodist Hospital Research Institute, USA

ICBES 107 **A Method to Differentiate Pathological Murmurs from Innocent Murmurs in Cardiology**
12:25 - 12:40

Jui-chien Hsieh, Xiaomeng Wu, Yi-Hsing Claire Chiu
Yuan Ze University, Taiwan

ICBES 105 **Autonomous and Body Weight Suppressing Exoskeleton to Support Human Walk**
12:40 - 12:55

Nazim Mir-Nasiri
Nazarbayev University, Kazakhstan

1:00 PM - 2:00 PM LUNCH

Monday

June 5, 2017

[Back to Schedule](#)

2:00 PM - 2:45 PM **WORKSHOP - PART 1**

Media After Everybody and -Thing is Connected

Dr. P.A.M. Kommers, University of Twente, The Netherlands

2:45 PM - 3:05 PM **COFFEE BREAK**

3:05 PM - 3:50 PM **WORKSHOP - PART 2**

Media After Everybody and -Thing is Connected

Dr. P.A.M. Kommers, University of Twente, The Netherlands

Tuesday

June 6, 2017

[Back to Schedule](#)

9:00 AM - 9:50 AM **KEYNOTE LECTURE**

Session Chair:
TBA

Virtual and Vicarious as Game Changers in the 21st Century

Dr. P.A.M. Kommers, University of Twente, The Netherlands

9:50 AM - 10:40 AM **KEYNOTE LECTURE**

Session Chair:
TBA

Robotics for Healthcare Productivity Improvement

Dr. Haoyong Yu, National University of Singapore, Singapore

10:40 AM - 11:10 AM **COFFEE BREAK**

Tuesday

June 6, 2017

[Back to Schedule](#)

10:40 AM - 11:30 AM **SESSION CHAIRS:** Dr. Senfar Wen

Poster Session

ICBES 104 **Association between Phase Coupling of Respiratory Sinus Arrhythmia and Brain Activity during Sleep**

Kyuichi Niizeki, Narumi Ukawa, Tadashi Saitoh
Yamagata University, Japan

ICBES 125 **Interbeat RR Interval Time Series Analyzed with the Sample Entropy Methodology**

Alejandro Muñoz-Diosdado, Gonzalo Gálvez-Coyt
Instituto Politécnico Nacional Mexico

EEE 103 **Predictive Parallel Gate-level Timing Simulation with Fast and Accurate Prediction**

Jaehoon Han, *Seiyang Yang*
Pusan National University, South Korea

SNSM 107 **How a Personal Brand that has been Creatively Established in Social Media Becomes a Passport to Traditional Media and Receiving Advertising Contracts**

Mateusz Grzesiak
Starway Institute, Poland

11:10 AM - 12:05 PM **SESSION CHAIR:** Dr. Senfar Wen

Electrical and Computer Engineering II

CCA 107 **Rule Based Systems in a Distributed Environment: Survey**

11:10 - 11:30
Arunkumar Bagavathi, *Angelina A. Tzacheva*
University of North Carolina at Charlotte, USA

VMW 102 **An Efficient Data Dissemination in Urban Vehicular Ad Hoc Networks**

11:30 - 11:45
Shiow Fen Hwang, Chia Hao Chu, Chyi Ren Dow
Feng Chia University, Taiwan

VMW 103 **Performance Analysis of Path loss Prediction Models in Wireless Mobile Networks in Different Propagation Environments**

Aymen Zreikat, Milan Dordevic
American University of the Middle East, Kuwait

12:05 PM - 12:10 PM **GROUP PHOTO**

Please come to the registration desk to take the photo.

12:10 PM - 1:10 PM **LUNCH**

Tuesday

June 6, 2017

[Back to Schedule](#)

1:10 PM - 3:00 PM **SESSION CHAIRS:** Yann Facchinello

Biomedical Engineering II

ICBES 128 **An Adaptive Neuro-Fuzzy Inference System Approach to Neutrophil Prediction in Childhood Leukaemia**
1:10 - 1:30

*D. Avdic, M. S. Gallimore, C. Bingham
University of Lincoln, United Kingdom*

ICBES 131 **Analysis Of The Spatio-temporal Gait Parameters in An Amputated Patient Vs The Gait in A Healthy Patient**
1:30 - 1:50

*Brigette Paola Torres Bello, Yuliana Ruiz Piragauta, Esperanza Camargo Casallas
Universidad Distrital Francisco José de Caldas, Colombia*

ICBES 108 **RF Induced Temperature Monitoring in Cochlear Implant Electrodes**
1:50 - 2:05

*Lisa Obmascher
University of Innsbruck, Austria*

ICBES 132 **Study of the Spatio-Temporal Parameters of the Gait of a Transtibial Amputee in Conditions of Alignment and Misalignment of the Prosthesis**
2:05 - 2:25

*Yuliana Ruiz, Brigette Torres, Esperanza Camargo
Universidad Distrital Francisco José de Caldas, Colombia*

ICBES 117 **A Wearable Robotic Exoskeleton for Gait Rehabilitation**
2:25 - 2:40

*Haoyong Yu, National University of Singapore, Singapore
National University of Singapore, Singapore*

ICBES 103 **Pattern analysis based on standardization model in human growth — Proposal for Fujimmon's & Scammon's Comparative Growth Curve**
2:40 - 3:00

*Katsunori Fujii
Aichi Institute of Technology, Japan*

3:00 PM - 3:20 PM **COFFEE BREAK**

Tuesday

June 6, 2017

[Back to Schedule](#)

3:20 PM - 5:05 PM **SESSION CHAIR:** Dr. Haoyong Yu

Biomedical Devices

ICBES 110 **Non-Invasive System for Measuring Intra-Abdominal Pressure**

3:20 - 3:35
António Martinho Lopes, Maria M.R.E. Niza, António Dourado
University of Coimbra, Portugal

ICBES 129 **The Development of a Physical Spinal Cord Surrogate with Localized Transverse Compression Sensing Capabilities**

Yann Facchinello, Eric Wagnac, Bora Ung, Yvan Petit, Prabin Pradhan, Louis-Marie Peyrache and Jean-Marc Mac-Thiong
Hôpital du Sacré-Coeur de Montréal, Canada

ICBES 133 **Front-End Receiver Architecture for Miniaturised Ultrasound Imaging**

3:50 - 4:10
Graham Peyton, Martyn G. Boutelle, Emmanuel M. Drakakis
Imperial College London, United Kingdom

ICBES 123 **Surgical Aspirator with Steam-Jet Coagulator for Hepatic Surgery**

4:10 - 4:25
Hitoshi Yoshiki, Kotaro Tadano, Kenji Kawashima
Tokyo Institute of Technology, Japan

ICBES 119 **Force Characteristics of Trocar Insertion Abdomen in Laparoscopic Surgery**

4:25 - 4:45
Junpeng Sun, Kotaro Tadano
Tokyo Institute of Technology, China

ICBES 134 **Determination of Pulse Rate and Blood Pressure Using Non-invasive In-vivo Spectroscopy**

Mehedy Hasan, Hoon Kim
University of Utah, USA

8:00 PM - 10:00 PM **Closing Ceremony**