



ISICS 2016

International Symposium on Intelligent
Computing Systems

March 16-18, 2016 | Merida, Mexico

PROGRAM

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Wednesday, March 16

8:00 - 16:00 Registration (Aula Magna - Faculty of Engineering)

9:30 - 9:45 Opening Session

10:00 - 11:15 **Keynote Dr. Petar Kormushev**
Imperial College London, UK

Robot Learning of Motor Skills: How to Train Your Robot?

11:15 - 11:30 Refreshment Break

11:30 - 12:45 **Oral Session I**

Chair: Dr. Nidiyare Hevia-Montiel (IIMAS-UNAM)

- **A Cloud-based Intelligent Computing System for Contextual Exploration on Personal Sleep-tracking Data Using Association Rule Mining.**
Zilu Liang, Bernd Ploderer, Mario Alberto Chapa Martell, and Takuichi Nishimura
- **Optimization of the Dictionary Size Selection: An Efficient Combination of KSVD and PCA to Denoise and Enhance Digital Mammography Contrast.**
Sègbédji R. T. J. Goubalan, Khalifa Djemal, and Hichem Maaref
- **Using Semantic Technologies for an Intelligent Medical Trainer.**
Gandhi S. Hernandez-Chan, Edgar E. Ceh-Varela, Gimer Cervera-Evia, and Victor Quijano-Aban

12:45 - 13:50 Lunch Break

14:00 - 15:15 **Keynote Dr. Carlos Coello Coello**
CINVESTAV - IPN, Mexico

Evolutionary Multi-Objective Optimization: Current and Future Trends

15:15 - 15:30 Refreshment Break

15:30 - 16:45 **Oral Session II**

Chair: Dr. Arturo Espinosa-Romero (Universidad Autónoma de Yucatán)

- **Predicting the RCGA Performance for the University Course Timetabling Problem.**
Noel Rodriguez-Maya, Juan J. Flores, and Mario Graff

- **Robustness of Deep Convolutional Neural Networks for Image Recognition.**
Matej Uličný, Jens Lundström, and Stefan Byttner
- **Face Recognition Using Histogram Oriented Gradients.**
Alberto Dzul Calvillo, Roberto A. Vazquez, Jose Ambrosio, and Axel Waltier

17:00 - Guided visit of Merida

Thursday, March 17

8:00 - 16:00 Registration

10:00 - 11:15 **Keynote Dr. Angel Kuri Morales**
Instituto Tecnológico Autónomo de México, Mexico
Defeating Big Data - Tackling Real-World Problems in the World Banking Environment with Computational Intelligence

11:15 - 11:30 Refreshment Break

11:30 - 12:45 **Oral Session III**

Chair: Dr. Victor Uc-Cetina (Universidad Autónoma de Yucatán)

- **Fuzzy-based Visual Servo with Path Planning for a BallPlate System.**
Chi-Cheng Cheng and Chin-Chuan Chou
- **Photovoltaic Module Temperature Estimation: A Comparison Between Artificial Neural Networks and Adaptive Neuro Fuzzy Inference Systems Models.**
J. Tziu Dzib, E. J. Alejos Moo, A. Bassam, Manuel Flota-Bañuelos, M.A. Escalante Soberanis, Luis J. Ricalde, and Manuel J. López-Sánchez
- **Thermal Efficiency Prediction of a Solar Low Enthalpy Steam Generating Plant Employing.**
O. May Tzuc, A. Bassam, Manuel Flota-Bañuelos, E. E. Ordoñez López, Lifter Ricalde-Cab, R. Quijano, and Alan E. Vega Pasos

12:45 - 13:50 Lunch Break



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14:00 - 15:15 **Keynote Dr. Raúl Rojas**
Freie Universität Berlin, Germany
Intelligent Mobility for Smart Cities

15:15 - 15:30 Refreshment Break

15:30 - 16:45 **Oral Session IV**

Chair: Dr. Elena Martínez (IIMAS-UNAM)

- **Recognizing Motion Images Solid Waste Jumbled on a Neural Network with a Simple Tracking Performed in an Automatic and Robotic Recycling Line.**

García-Hernández Martín, Flores Alejandro, Eleazar Elizalde García-Arredondo Alejandro J., Gutiérrez-Muro Miguel A., and Hevia-Montiel Nidiyare

- **Online Breast Cancer Diagnosis System.**

Asad Safi

- **An Approach to Codification Power on the Behavior of Genetic Algorithms.**

Y. El. Hamzaoui, J. A. Rodriguez, S. A. Puga, M. A. Escalante Sobe-ranis, and A. Bassam

16:45 - 17:30 **EUSICS Poster Session**

19:00 Gala Dinner (La Chaya Maya Restaurant)

Friday, March 18

8:30 - 17:00 Tour to **Chichen Itzá** and **Ik'kil** Cenote (Not included in the conference fee)

