

RCCS+SPIDTEC2 2018

Regional Consortium for Foundations, Research and Spread of Emerging Technologies in Computing Sciences

**Proceedings of the RCCS+SPIDTEC2 Workshop on Regional Consortium
for Foundations, Research and Spread of Emerging Technologies in
Computing Sciences**

Juarez, Mexico, November 8-9, 2018.

Edited by

Juan Carlos Acosta-Guadarrama
Francisco López-Orozco

General Chairs

Juan Carlos Acosta Guadarrama IIT, University of Juarez, Av. del Charro 450, 32310 Juárez, Mexico
Francisco López-Orozco DMCU, University of Juarez, Av. José de Jesús Macías Delgado, 18100, Juárez, Mexico

Table of Contents

- Preface
- Table of Contents
- Program Committee
- Author Index

Part 1: Invited Proposal Papers and Abstracts

- Prototype for a Mobile Collaborative Augmented Reality Application of the Game Checkers 1-14
Jonathan Abraham Cortez Fernández, Alejandro Rangel Torres, Ivonne Haydee Robledo Portillo
- Virtual Assistant for People with Senile Dementia and their Caregivers 15-25
Noé González Nieto, José Saúl González Campos
- A Glimpse to the Logic of Provability 26-26
Erick Juárez-Gutiérrez

Part 2: Regular Papers

- Disparity Map Estimation With Deep Learning in Stereo Vision 27-40
Victor Manuel Mendoza Guzman, Jose Manuel Mejia Muñoz, Nayeli Edith Moreno Márquez, Paula Ivone Rodríguez Azar, Everardo Santiago Ramírez
- Acquisition, Analysis and Classification of EEG Signals for Control Design 41-52
Paula Ivone Rodríguez Azar, José Manuel Mejía Muñoz, Boris Jesus Mederos, Nayeli Edith Moreno Márquez, Victor Manuel Mendoza Guzman
- Towards a Logic lab on the Cloud: Desktop and Mobile Sessions 53-67
Debora Rodriguez-Aguilar, Juan C. Acosta-Guadarrama, Víctor Morales-Rocha
- Composing a Cross-platform Development Environment Using Maven 68-80
Terry Speicher, Yoonsik Cheon
- Deep Learning Based Super-Resolution 81-89
Fernando Zapata Barron, Jose Manuel Mejia Muñoz, Boris Jesus Mederos Madrazo, Leticia Ortega Maynez