



**International Conference on Fuzzy Systems, Neural Networks and Genetic Algorithms (FNG 2005)**  
**Hispanic American Fuzzy Systems Association (HAFSA),**  
**Tijuana Institute of Technology**  
**Tijuana, Mexico, October 13-14, 2005**



| Time        | October 13  | October 14  |
|-------------|---|---|
| 2:00 - 3:00 | <p><b>Plenary Speaker:</b><br/>           Combining Interval, Probabilistic, and Fuzzy Uncertainty: Foundations, Algorithms, Challenges - An Overview,<br/> <b>Prof. Dr. Vladik Kreinovich, Computer Science Dept., University of Texas at El Paso, USA</b></p>   | <p><b>Invited Speaker</b><br/>           Object Recognition using Fuzzy Inferential Reasoning<br/> <b>Prof. Dr. Thompson Sarkodie-Gyan, Computer Science Dept., University of Texas at El Paso, USA</b></p>   |
| 3:00 - 4:15 | <p><b>Session 1: Fuzzy Logic Control and Applications</b><br/>           FNG6: Ricardo Guerra, Luis T. Aguilar, and Leonardo Acho, CITEDIPN, Tijuana, México<br/>           FNG9: Oscar Montiel<sup>1</sup>, Oscar Castillo<sup>2</sup>, Patricia Melin<sup>2</sup>, Antonio Rodríguez Díaz<sup>3</sup>, Roberto Sepúlveda<sup>1</sup> CITEDIPN, <sup>2</sup>Tijuana Institute of Technology, <sup>3</sup>FCQI-UABC, Mexico<br/>           FNG11 Jose L. González, Oscar Castillo, Luis Aguilar, Tijuana Institute of Technology<br/>           FNG28 Olivia Mendoza Duarte<sup>1</sup>, Patricia Melin<sup>2</sup> FCQI-UABC, <sup>2</sup>Tijuana Institute of Tech.<br/>           FNG26 Selene L. Cárdenas<sup>1</sup>, Oscar Castillo<sup>1</sup>, Luis T. Aguilar<sup>2</sup>, Nohé Cázarez<sup>1</sup><br/> <sup>1</sup>Instituto Tecnológico de Tijuana, México, <sup>2</sup>CITEDIPN</p>  | <p><b>Session 4: Genetic Algorithms and Fuzzy Logic Applications</b><br/>           FNG13: Lilia Azucena Barreras Martínez, , Oscar Castillo<sup>1</sup> Oscar Montiel<sup>2</sup> <sup>1</sup>Tijuana Institute of Technology, <sup>2</sup>CITEDIPN, Mexico<br/>           FNG15: Jesus Manuel Cota, Oscar Castillo, Arnulfo Alanis, Tijuana Institute of Technology<br/>           FNG16: Julian Garibaldi, Oscar Castillo, Arnulfo Alanis, Tijuana Institute of Technology<br/>           FNG17: Nohé R. Cázarez Castro<sup>1</sup>, Luis Aguilar<sup>2</sup>, Oscar Castillo<sup>1</sup>, Selene Cárdenas<sup>1</sup> <sup>1</sup>Tijuana Institute of Technology, <sup>2</sup>CITEDIPN<br/>           FNG25: Rafael Salinas, Oscar Castillo<sup>1</sup> Roberto Sepulveda<sup>2</sup>, <sup>1</sup>Tijuana Institute of Technology <sup>2</sup>CITEDIPN</p>    |
| 4:15 - 4:30 | Coffee Break  | Coffee Break  |
| 4:30 - 5:45 | <p><b>Session 2: Neural Networks and Fuzzy Logic for Pattern Recognition</b><br/>           FNG14: Jaime Ramos Gaxiola, Patricia Melin, Miguel Lopez, Tijuana Institute of Technology<br/>           FNG18: Jorge Cruz Serrano<sup>1</sup>, Patricia Melin<sup>1</sup> Oscar Montiel<sup>2</sup>, <sup>1</sup>Tijuana Institute of Technology <sup>2</sup>CITEDIPN<br/>           FNG22: Eduviges González, Miguel Lopez, Patricia Melin, Tijuana Institute of Technology<br/>           FNG23: Jose Guadalupe Quiñones, Alejandra Mancilla, Patricia Melin, Tijuana Institute of Technology<br/>           FNG24: Manuel Alvarado<sup>1</sup>, Patricia Melin<sup>1</sup> Roberto Sepulveda<sup>2</sup>, <sup>1</sup>Tijuana Institute of Technology <sup>2</sup>CITEDIPN</p>  | <p><b>Session 5: Neural Networks Applications</b><br/>           FNG4: C. Posadas-Castillo<sup>1</sup>, C. Cruz-Hernández<sup>2*</sup> and D. López-Mancilla<sup>3</sup> <sup>1</sup>Baja California Autonomous University (UABC) and FIME University Autonomous of Nuevo, León, <sup>2</sup> Telematics Direction, Scientific Research and Advanced Studies of Ensenada (CICESE), <sup>3</sup> Engineering Faculty, Baja California Autonomous University (UABC),<br/>           FNG21: Isaac Silva Carrillo, Oscar Castillo, Mario Garcia, Tijuana Institute of Technology<br/>           FNG19: Valente Ochoa, Patricia Melin, Tijuana Institute of Technology<br/>           FNG20: Ileana Leal, Patricia Melin, Tijuana Institute of Technology<br/>           FNG29: Gabriela Torres, Alejandra Mancilla, Patricia Melin, Tijuana Institute of Technology</p> |
| 5:45 - 6:30 | <p><b>Invited Speaker</b><br/>           A Genetic Rover Path Planner with Fuzzy Logic Adaptation for Operation in Rough Terrain<br/> <b>Prof. Dr. Mahmoud Tarokh, Computer Science Department, San Diego State University, USA</b></p>   | <p><b>Invited Speaker</b><br/>           Processing Educational Data: From Traditional Statistical Techniques to an Appropriate Combination of Probabilistic, Interval and Fuzzy Approaches<br/> <b>Prof. Dr. Olga M. Kosheleva, Dept. of Teacher Edu. University of Texas at El Paso, USA</b></p>  |
| 6:30 - 7:15 | <p><b>Invited Speaker</b><br/>           Simple Tuning of Fuzzy Controllers<br/> <b>Prof. Dr. Eduardo Gómez-Ramirez, La Salle University DF, México</b></p>   | <p><b>Invited Speaker</b><br/>           Encryption via Chaotic Circuits for Private Communications<br/> <b>Prof. Dr. Cesar Cruz, Dirección de Telemática, CICESE Ensenada, México</b></p>  |
| 7:15 - 8:30 | <p><b>Session 3: Hybrid Intelligent Systems</b><br/>           FNG1 Juan Contreras Montes<sup>1</sup>, Roger Misa Llorca<sup>2</sup>, Lisbeth Urueta Vivanco<sup>3</sup>, <sup>1</sup>Escuela Naval Almirante Padilla, Cartagena, Colombia, <sup>2</sup>Instituto Superior Politécnico José Antonio Echaverría, La Habana. Cuba, <sup>3</sup>Corporación Universitaria Rafael Núñez, Cartagena, Colombia<br/>           FNG2 Jesús A. López and Eduardo Caicedo, Escuela de Ingeniería Eléctrica y Electrónica Grupo de Percepción y Sistemas Inteligentes, Universidad del Valle, Cali-Colombia<br/>           FNG30 Arnulfo Alanis<sup>1</sup>, Juan Jose Serrano Rafael<sup>2</sup> Ors Carot<sup>2</sup> Oscar Castillo<sup>1</sup> Mario Garcia<sup>1</sup><br/> <sup>1</sup>Tijuana Institute of Technology <sup>2</sup>Universidad Politecnica de Valencia España<br/>           FNG12 Miriam Cisneros, Miguel Lopez, Tijuana Institute of Technology<br/>           FNG7 Linda Jeanette Arcos Pantoja, Juan Manuel Calderón Chávez, Universidad Santo Tomas de Aquino, Colombia</p> | <p style="text-align: center;"><b>HAFSA MEETING</b></p> <hr/> <p style="text-align: center;"><b>CLOSING CEREMONY</b></p>  |

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## Hispanic American Fuzzy System Association (HAFSA)



### “International Conference on Fuzzy Systems, Neural Networks and Genetic Algorithms (FNG 2005)”

MAIN THEME

*“Hybrid Intelligent Systems”*

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