



Mexican Workshops on Artificial Intelligence
November 5 – 6, 2007
Aguascalientes City, MEXICO

WORKSHOP PROGRAM

SPONSORS:

Mexican Society of Artificial Intelligence (SMIA)
Tecnológico de Monterrey: Campus Ciudad de México (ITESM – CEM)
Instituto de Investigaciones Eléctricas (IIE)

LOCATION:

Universidad Tecnológica de Aguascalientes (UTA)
Av. Juan Pablo II #1302, Fracc. Ex-hacienda la Cantera
CP: 20206, Aguascalientes, Mexico
Phone: 449 9105000 or 449 976-07-29

ORGANIZATION:

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| WORKSHOPS CHAIRS: | Raúl Monroy, ITESM – CEM Gustavo Arroyo-Figueroa, IIE |
| LOCAL CHAIRS: | Víctor Manuel Gonzalez, UTA Eduardo Serna Perez, UAA |
| WORKSHOPS: | |
| Service Robots | Enrique Sucar, INAOE J. Savage, UNAM E. Morales, INAOE |
| Data Mining Applications & Current Trends | Manuel Mejía, IIE E. Morales, INAOE |
| Applications of Artificial Intelligence | G. Arroyo-Figueroa, IIE |
| Computer security | R. Monroy, ITESM – CEM Carlos Mex-Pereda, ITESM-MTY |

MICAI 2007: Service Robots Workshop

Tuesday November 6, 2007
Universidad Tecnológica de Aguascalientes (UTA)
Edificio de Vinculación, SALON 1

Preliminary Program

9:00 - 9:15 Opening Remarks

9:15 - 11:30 Session 1: Chair J. Savage

- * Cognitive Robotics: A Multilevel Approach
A. Weitzenfeld, M. Barrera, M. Morales (ITAM)
- * Mathematical Model of a Wheelchair
H. Vargas, V. Zanella, V. Alexandrov, Y. Martynenko (UPAEP)
- * Advances in robotics at the Universidad Michoacana
L. Romero (UMich)

11:30 - 12:00 Coffee break

12:00 - 14:15 Session 2: Chair L. Romero

- * Activities of the Robotics group at CIMAT
C. Esteves, J.B. Hayet, R. Murrieta-Cid (CIMAT)
- * ViRbot: A system to operate service robots
J. Savage, E. Márquez, F. Lepe-Casillas (UNAM)
- * A flexible service robot named Markovito
L. E. Sucar, E. F. Morales, H. H. Avilés (INAOE)

14:15 - 16:00 Lunch break

16:00 - 18:00 Panel (all participants)

- * What are the main challenges to develop service robots?
- * What are the best hardware/software platforms?
- * Which are the most relevant applications for service robots?
- * How can we collaborate between the different groups in Mexico?