



International

Innovation in Knowledge Based and Intelligent Engineering Systems



INVITED SESSION SUMMARY

Title of Session:

"Intelligent Agents in health, wellness and human development environments applied to health and medicine"

Name, Title and Affiliation of Chair:

Maria del Rosario Baltazar Flores, (Tecnológico Nacional de México/campus León, México)

Co-Chair

Arnulfo Alanis Garza- (Tecnológico Nacional de México/campus Tijuana, México)

Details of Session (including aim and scope):

In this session the current research topics such as agents performed to personalised health systems for autonomous assistance, intelligent agents to manage patient care, information agents that retrieve medical information, intelligent and distributed data mining and multi-agent systems that assist the doctors in the tasks of monitoring, decision support and diagnosis, multi-agent systems focused in well-being.

List of topics of interest

- Co-operation between intelligent agents to improve patient management (e.g., distributed patient scheduling).
- Agents that provide remote or elderly care delivery.
- Agents that provide information about medical services.
- Multi-agent systems for patient monitoring and diagnosis.
- Successful applications of agents and multi-agent systems in health care.
- MAS that improve medical training or education (e.g. tutoring systems).
- Medical agent-based decision support systems.
- Intelligent systems in telehealth and telemedicine
- Intelligent systems in psychological care
- Intelligent systems in healthcare systems
- Intelligent systems for neurology care
- Intelligent systems for Alzheimer's care
- Application of deep learning in health care
- Data mining for the identification of stress risk factors in the industry

Note: other topics not listed, may be considered.

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Dr. Arnulfo Alanis Garza (Tecnológico Nacional de México/campus Tijuana, México)
Dra. María del Rosario Baltazar Flores (Tecnológico Nacional de México/campus León, México)
Dr. Lenin G. Lemus-Zúñiga (Universitat Politècnica de València. España)
Dra. Wendoly Julieta Guadalupe Romero Rodríguez (Instituto Tecnológico Superior de Guanajuato)
Dra. Anabel Pineda Briseño(Tecnológico Nacional de México/campus Matamoros, México)
Dr. Bogar Yail Márquez Lobato (Tecnológico Nacional de México/campus Tijuana, México)
Dr. José Magdaleno Palencia (Tecnológico Nacional de México/campus Tijuana, México)
Dra. Yessica Imelda Saavedra Benítez (Centro Nacional de Investigación y Desarrollo Tecnológico (CENIDET))

Website URL of Call for Papers (if any):

Email & Contact Details:

Rosario Baltazar Flores r.baltazar@ieee.org

Arnulfo Alanis Garza alanis@tectijuana.edu.mx