

20th Mediterranean Conference on Control and Automation

The 20th Mediterranean Conference on Control and Automation took place in Barcelona, July 3–6, 2012. This conference series is organized under the auspices of the Mediterranean Control Association (MCA), and the technical support of IEEE Control Systems Society (CSS), IEEE Robotics and Automation Society (RAS) and, in this occasion, the Comité Español de Automática (CEA).

The technical program was chaired by Prof. Pedro Albertos, with Prof. Abdel Aitouche managing the invited sessions. A total of 86 IPC members contributed in the evaluation of the papers, which included the collection of 1350 reviews. The technical program started on Tuesday, July 2, with two well attended preconference workshops: “TOKAMAK Nuclear Fusion Reactors: A Control Perspective” organized by Prof. Luigi Fortuna, Dr. Giuseppe Mazzitelli, and Dr. Arturo Buscarino and “Real-Time 3-D Guidance and Obstacle Avoidance for UxVs” organized by Prof. Oleg Yakimenko, followed by a welcome reception in the conference venue premises.

The technical program was opened on each day with a plenary speaker. Prof. Mario Sznaier, former CSS executive director, gave a presentation “Controlling the Data Deluge.” Prof. Sergio Bittanti, general chair of the 2011 IFAC World Congress, gave the presentation “Identification and Control: The Two Inseparable Friends Cooperating for the Solution of Automation Problems over More Than Five Decades.” Prof. Alicia Casals, recognized expert in robotics and vision,



The opening session of MED12 with the National Organizing Committee Chair Joseba Quevedo, Universitat Politècnica de Catalunya President Antoni Giró Roca, and International Program Committee Chair Pedro Albertos.

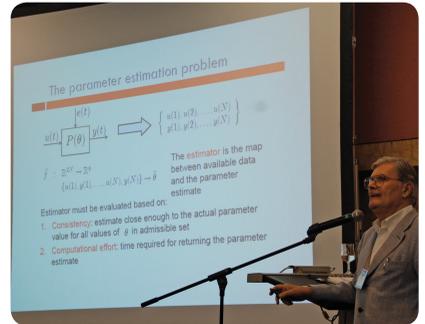


Mario Sznaier delivering a plenary presentation.

gave a presentation “Adaptive Control in Neurorobotics.”

A panel session was devoted to discussing the role of control in the society of the future. Organized by César de Prada and Eduardo F. Camacho, who are members of the European Network of Excellence HYCON2, some concrete issues about cyber-physical systems, complex systems, and fault-tolerant control were presented for discussion by the panelists Panos Antsaklis, John S. Baras, and Ron Patton.

The technical program was completed by 246 papers selected from among the 345 submitted papers, arranged in eight slots of six parallel sessions. A total number of 300



Sergio Bittanti delivering a plenary presentation.



The panelists on the role of control in the society of the future.



Pedro Alberto with Ramon Vilanova, one of the recipients of the MED12 best paper award, and Cristina Bernabeu, who manages the journal *Automática e Instrumentación*.

participants attended the technical sessions, with a relatively low percentage of nonshow papers (less than 10%).

A best paper award, provided by the technical journal *Automática e Instrumentación*, was announced and presented to Ramon Vilanova



Panos Antsaklis, Pedro Albertos, and Joseba Quevedo at the farewell session.



A view of attendees at the conference banquet.



The organizing team singing at the conference banquet.



Members of the National Organizing Committee and other volunteers.

in the closing ceremony, where the location for the next conference was announced. The ceremony was followed by a farewell party, where the delegates and accompanying persons enjoyed the Catalonian hospitality carefully supervised by the

organizing committee, led by Prof. Joseba Quevedo.

The conference was held at the Catalonian Plaza Hotel, and the organizers provided a fruitful environment for presentations, discussions, and social activities. In addition to the

traditional conference banquet, which was held at the World Trade Center in the harbor of Barcelona, the organizers provided a prebanquet city tour visiting the Montjuic gardens and fountains.

