## Session Keynotes

Invited Sessions may include keynote papers whose presentation time is 40 minutes. These papers deal with survey of certain technical areas, state-of-the-art technologies, in-depth reviews, and detailed information of current advances. There are 17 keynote papers in the Congress.

Servo Control for Storage Systems and Precision Devices I HDD Servo Control Technologies - What We Have Done and Where We Should Go Takashi Yamaguchi, Hitachi Global Storage Technologies, Takenori Atsumi, Hitachi, Ltd.		
Date	July 7 (Mon)	
Time	10:30 - 11:10	
Location	Room 321B, Conference Center, 3 <sup>rd</sup> Floor	
Advances in Higher Order Sliding Mode Control Homogeneous High - Order Sliding Modes Arie Levant, Tel - Aviv University		
Date	July 8 (Tue)	
Time	10:30 - 11:10	
Location	Room 304B, Conference Center, 3 <sup>rd</sup> Floor	
Radio Frequency Identification (RFID) Technology in Supply Chain Management ITuA23RFID Technology in Supply Chain Management: State of the Art and PerspectivesAlexandre Dolgui, Ecole des Mines de Saint Etienne, Jean-Marie Proth, INRIATuA23		
Date	July 8 (Tue)	
Time	10:30 - 11:10	
Location	Room 323, Conference Center, 3 <sup>rd</sup> Floor	
Advances in Higher Order Sliding Mode Observation and Estimation High-Order Sliding-Mode Observation for Systems with Unknown Inputs Leonid M. Fridman, Univ. of Mexico Arie Levant, Tel - Aviv University,		
	va, Unversity of Mexico (Universidad Nacional Autonoma de Mexico)	
Date	July 8 (Tue)	
Time	14:00 - 14:40	
Location	Room 304B, Conference Center, 3 <sup>rd</sup> Floor	
Systems and Control Sciences in Social Systems Applications Applied System and Control Sciences to Social Systems: Globalization Age Paradigms		
Georgi Marko Dimirovski, [		
Date	July 8 (Tue) 14:00 - 14:40	
Time Location	Room 316, Conference Center, 3 <sup>rd</sup> Floor	
Hammerstein-Wiener System IdentificationWNonlinear System Identification under Various Prior KnowledgePrzemyslaw Sliwinski, Wrocław University of Technology,Zygmunt Hasiewicz, Wrocław University of Technology,Grzegorz Mzyk, Wrocław University of TechnologyDateJuly 9 (Wed)Time10:30 - 11:10LocationRoom 311C, Conference Center, 3 <sup>rd</sup> Floor		
Dynamics and Control of Micro- and Nano-Scale Systems I		
Dynamics and Comfol 0	i millio- and mano-scale systems i	WeA21

Architectures for Tracking Jeffrey Austin Butterworth, L Lucy Y. Pao, University of C Daniel Y. Abramovitch, Agile Date Time Location	olorado at Boulder,	
	Real-Time Distributed Embedded Systems ne Sun Java Real-Time System for Automation Systems Systems July 9 (Wed) 10:30 - 11:10 Room 323, Conference Center, 3 <sup>rd</sup> Floor	WeA23
Reachability Computation Safety Verification and Re Herve Gueguen, SUPELEC, Marie-Anne, SUPELEC, Lefebvre and Othman Nasri, Janan Zaytoon, Univ of Rein Date Time Location	eachability Analysis for Hybrid Systems	WeB12
	July 9 (Wed) 14:00 - 14:40	WeB21 M Operation
	Switched Continuous - Time Complex Systems f Sciences of Czech Republic	WeB24
		WeC21
Recent Advances in Intell A Tutorial Introduction to Kevin L. Moore, Colorado So Date Time Location		ThA19
Semantic-Based Solutions for Enterprise Integration and Networking		

The Unified Enterprise Modelling Language - Overview and Further Work Victor Anaya, Universidad Politecnica de Valencia, Giuseppe Berio, University of Torino, Mounira Harzallah LINA -University of Nantes, Patrick Heymans, University of Namur (FUNDP) Raimundas Matulevicius, University of Namur Andreas L Opdahl, University of Bergen, Herve Panetto, Nancy-University, Maria Jose Verdecho, Universidad Politecnica de Valencia July 10 (Thu) Date Time 10:30 - 11:10 Room 324, Conference Center, 3rd Floor Location Modeling and Control in the Behavioral Framework ThB06 Linear Differential Behaviors Described by Rational Symbols Jan C. Willems, K.U. Leuven, Yutaka Yamamoto, Kyoto University Date July 10 (Thu) Time 14:00 - 14:40 Room 310A, Conference Center, 3<sup>rd</sup> Floor Location Fractional Differentiation and Its Applications I FrA06 An Overview of the CRONE Approach in System Analysis, Modeling and Identification, Observation and Control Alain Oustaloup, Jocelyn Sabatier, Patrick Lanusse, Rachid Malti, Pierre Melchior, Mathieu Moze Universite Bordeaux Date July 11 (Fri) 10:30 - 11:10 Time Location Room 310A, Conference Center, 3<sup>rd</sup> Floor FrA30 Non-Intrusive Human Monitoring Human Monitoring-Based Driving Support Makoto Itoh, University of Tsukuba Date Julv 11 (Fri) 10:30 - 11:10

Room 330C. Conference Center. 3<sup>rd</sup> Floor

Time

Location