

	Thursday	Friday	Saturday
08:30-09:00	Registration		
09:00-09:10	Welcome		
09:10-10:00	C H 0 9 IS06	C H 0 5 IS09	C H 0 8 IS01
10:00-10:20	TID56	TID49	TID35
10:20-10:40	TID45	TID38	TID43
10:40-11:10	Coffee Break	Coffee Break	Coffee Break
11:10-12:00	C H 1 1 IS04	C H 0 4 IS08	C H 0 1 IS07
12:00-12:20	TID27	TID32	TID22
12:20-12:40	TID29	TID33	TID39
	LUNCH	LUNCH	LUNCH
14:40-15:00	C H 0 7 IS05	C H 1 0 IS02	C H 0 3 TID44
15:00-15:20	TID54	TID25	TID51
15:20-15:40	TID42	TID50	TID23
15:40-16:00	Coffee Break	Coffee Break	Coffee Break
16:00-16:20	TID46	TID28	TID24
16:20-16:40	TID20	TID52	TID41
16:40-17:00	TID31	TID53	IS03
17:00-17:20	TID30	TID48	
17:20-17:40	TID47	TID55	
17:40-18:00	POSTERS		Closing
18:00-18:30			
20:00		DINNER	

INVITED SPEAKERS

(IS01) Agrachev, Andrei -- *SISSA/ISAS, Italy*

[Talk TID13: "Geometric control Theory for Mathematical Fluid Mechanics \(joint work with A. Sarychev\)"](#)

(IS02) **Bicchi, Antonio** -- *Università di Pisa, Italy*

[Talk TID3: "Dynamic Systems with Symbolic Inputs"](#)

(IS03) **Cutland, Nigel** -- *University of Hull, England*

[Talk TID4: "Nonstandard techniques for optimal control theory"](#)

(IS04) **Jakubczyk, Bronislaw** -- *University of Warsaw, Poland*

[Talk TID5: "Nonintegrable distributions and their singular curves"](#)

(IS05) **Kawski, Matthias** -- *Arizona State University, United States*

[Talk TID6: "Combinatorics and Geometry in Nonlinear Control"](#)

(IS06) **Lamnabhi-Lagarrigue, Françoise** -- *CNRS, France*

[Talk TID7: "Some new results for the control of some nonlinear hybrid systems"](#)

(IS07) **Martin, Philippe** -- *Ecole des Mines de Paris, France*

[Talk TID8: "Motion planning for one-dimensional linear PDEs"](#)

(IS08) **Sepulchre, Rodolphe** -- *Université de Liège, Belgium*

[Talk TID9: "Oscillators as systems"](#)

(IS09) **Van der Schaft, Arjan** -- *University of Twente, Netherlands*

[Talk TID10: "Equivalence of dynamical systems"](#)

Contributed TALKS

(TID20) Matsikis, Iakovos "Numerical Computation of Invariant Densities for Linear Stochastic Differential Equations"

-- University of Exeter, England

(TID22) Jakubiak, Janusz "Drawing natural splines on a Lie group"

-- Wroclaw University of Technology, Poland

(TID23) Wyrwas, Malgorzata "High gain multiobservers"

-- Bialystok Technical University, Poland

(TID24) Girejko, Ewa "Applications of minimal Generalized Differential Quotients"

-- Bialystok Technical University, Poland

(TID25) Zadarnowska, Katarzyna "On dynamic dexterity and isotropy of mobile robots"

-- Wroclaw University of Technology, Poland

(TID27) Kleinstauber, Martin "Computation of Time Optimal NMR Pulse Sequences for Two Spin Systems"

-- University of Würzburg, Germany

(TID28) Rodrigues, Rui C. "Linear-quadratic optimal control problems and spline functions in Euclidean spaces"

-- Instituto Superior de Engenharia de Coimbra, Portugal

- (TID29) Ricardo, Sandra "Newton's Algorithm in Euclidean Jordan Algebras, with Applications to Robotics"**
-- Universidade de Trás-os-Montes e Alto Douro, Portugal
- (TID30) Guffens, Vincent "Using token leaky buckets for congestion feedback control in packets switched networks"**
-- UCL/CESAME, Belgium
- (TID31) Raluca, Roman "Modeling and Nonlinear Model Predictive Control of the product distribution of a FCCU "**
-- Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
- (TID32) Caiado, M.Isabel "Stability of elastic Systems"**
-- University of Minho, Portugal
- (TID33) Jordan, Jens "Feedback Maps for Generalized shifted Inverse Iterations"**
-- university of Wuerzburg/ university of Liege, Germany
- (TID35) Machado, Luís "Least Squares Problem on Riemannian Manifolds"**
-- UTAD, Portugal
- (TID38) Simeonova, Iliyana "Development of a Chemical Plant Hybrid Automaton Model for On-line Scheduling Optimization"**
-- Université Catholique de Louvain - Center for System Engineering and Applied Mechanics, Bulgaria
- (TID39) Clément, Boussard "Feedback control of a mobile robot with an on board camera"**
-- Ecole des mines de paris, France
- (TID40) Yonchev, Andrey "Model Predictive Control of Linear Continuous Time Singular Systems Subject to Input Constraints"**
-- Technical University-Sofia, Systems and Control Engineering, Bulgaria
- (TID41) Costa Martins, Natália "Nonstandard Palais-Smale conditions"**
-- Dep. Matemática - Universidade de Aveiro, Portugal
- (TID42) Robertz, Daniel "Introduction to Ore Modules: Linear Systems over Ore Algebras"**
-- RWTH Aachen, Germany
- (TID43) Zelenko, Igor "On feedback classification of four-dimensional affine control systems with one or two inputs"**
-- SISSA, Italy
- (TID44) Avram, Camelia "Designing a heterogeneous simulator for urban traffic"**
-- Tehnical University of Cluj Napoca, Romania
- (TID45) Nõmm, Sven "Towards the characterization of identifiability of discrete-time nonlinear systems"**
-- LSS Paris & IRCCyN Nantes, Estonia
- (TID46) Borges, José "The use of Separable Least Squares for the identification of composite state-space models"**
-- Instituto Superior Tecnico, Portugal
- (TID47) Julvez, Jorge "Modeling traffic systems with continuous Petri nets"**
-- University of Zaragoza, Spain
- (TID48) Cepeda, Alfonso "Control of a planar system with quantized and saturated input/output"**
-- Dto. Ingenieria de Sistemas y Automatica. Univ. Sevilla, Spain
- (TID49) Zinober, Alan "Non-Minimum Phase Control Systems (with Zhivko Stoyanov)"**
-- The University of Sheffield, England
- (TID50) Tomasz, Kapela "Non-symmetric choreographies in N-body problem."**

-- Pedagogical University, Kraków, Poland

(TID51) García García, María Sonia "Dynamic optimization in food process engineering"

-- IIM - CSIC, Spain

(TID52) Rodríguez Fernández, María "Parameter estimation in heat and mass transfer models"

-- Instituto de Investigaciones Marinas (IIM-CSIC), Spain

(TID53) Garavello, Mauro "Steady state controllability of some distributed systems"

-- SISSA/ISAS, Italy

(TID54) Ulysse, Serres "Curvature and Feedback Classification of 2-dimensional Control Systems"

-- SISSA/ISAS, Italy

(TID55) Sigalotti, Mario "Controllability of the Dubins' problem for surfaces "

-- INRIA, France

(TID56) Burlion, Laurent "Viability approach for multi-model switching systems"

-- Laboratoire des Signaux et Systèmes, France

POSTERS

(TID34) Urzica, Daniela "Linear and Nonlinear Model Predictive Control of a high purity distillation column"

-- Host Institute: University of Stuttgart, Institute for Systems Theory in Engineering, Germany

(TID36) Ofiteru, Irina Dana "Analyzing the Hierarchical Control of Escherichia coli Tricarboxilic Acid Cycle"

-- Host institute: University of Stuttgart Institute for Systems Theory in Engineering, Germany

(TID37) Cimatoribus, Carla "Using system theoretic tools for model discrimination in apoptosis"

-- CTS fellowship, Germany

CHAIRMEN

(CH01) Agrachev, A.

(CH02) Clemente, J.

(CH03) Colonius, F.

(CH04) Jakubczyk, B.

(CH05) Lamnabhi-Lagarrigue, F.

(CH06) Neves, V.

(CH07) Rocha, E.

(CH08) Sepulchre, R.

(CH09) Silva Leite, F.

(CH10) Torres, D.

(CH11) van der Schaft, A.
(CH12) Zinober, A.