

LMI - UR 3226

Un événement du laboratoire LMI

ON THE ROAD TO NEW HORIZONS:

A LIGHTHEARTED CONFERENCE ON CONTROL THEORY, CELEBRATING WITOLD RESPONDEK'S (PARTIAL) RETIREMENT!

3 jours de conférences pour réunir des chercheurs en théorie du contrôle, pour discuter des avancées récentes et célébrer les contributions majeures de Witold Respondek.

ightarrow DU 19 AU 21 JUIN 2024

AMPHITHÉÂTRE DU CORIA, LE 19 JUIN AMPHITHÉÂTRE G. TILLION, LES 20 ET 21 JIUN





Programme https://lcct2024.sciencesconf.org

Wednesday, June 19, 2024

Time		Event	Place
10:50 - 11:30		Coffee break	Coria – Near conference room
11:30 - 12:00		Welcome & Opening	Coria - Conference room
12:00 - 12:50	Arthur J. Krener	Nonlinear Observers with Linear Error Dynamics	Coria - Conference room
13:00 - 14:30		Lunch	INSA (patio or MA B. RC. 07)
14:30 - 15:10	Pierre Rouchon	Gate generation for open quantum systems via a monotonic algorithm with time optimization	Coria - Conference room
15:10 - 15:50	Jean-Baptiste Pomet	Old unsolved problems in differential flatness or dynamic linearization	Coria - Conference room
15:50 - 16:20		Coffee break	Coria – Near conference room
16:20 - 17:00	Claude Moog	Classification and decomposition of mechanical control systems	Coria - Conference room
17:00 - 17:40	Wiktor Malesza	Controller design for positive system using gain- scheduling technique	Coria - Conference room
18:00 - 19:30		Cocktail	INSA (patio or MA B. RC. 07)

Thursday, June 20, 2024

Time		Event	Place
09:00 - 09:40	Bronisław Jakubczyk	Gauge equivalence of control systems and conjugate points	INSA – Amphi Tillion
09:40 - 10:20	Florentina Nicolau	Constructing flat inputs for two-output systems	INSA - Amphi Tillion
10:20 - 10:50		Coffee break	INSA (patio or near amphi)
10:50 - 11:30	Frédéric Jean	Inverse optimal control problem, general methodology and non-autonomous LQ case	INSA – Amphi Tillion
11:30 - 12:10	Hugo Boscain	Geometric confinement of the curvature laplacian on almost Riemannian manifolds	INSA – Amphi Tillion
12:10 - 12:50	Marcin Nowicki	Mechanical feedback linearization of mechanical control systems	INSA – Amphi Tillion
13:00 - 14:30		Lunch	INSA (patio ou MA B. RC. 07)
14:30 - 15:10	Romeo Ortega	Observability is Sufficient for State Observation of State- affine Nonlinear Systems	INSA – Amphi Tillion
15:10 - 15:50	Timothée Schmoderer	Characterising and classifying control systems: a story that goes on	INSA – Amphi Tillion
15:50 - 16:20		Coffee break	INSA (patio or near amphi)
16:20 - 17:00	Andrzej J. Maciejewski	Non-integrability of the n-body problem	INSA – Amphi Tillion

Friday, June 21, 2024

Time		Event	Place
09:00 - 09:40	Henk Nijmeijer	Synchronization of multiple oscillators, the role of coupling and geometry	INSA – Amphi Tillion
09:40 - 10:20	Carole Le Guyader	Mathematical foundations of a level-set-based shape convex hull identification algorithm	INSA – Amphi Tillion
10:20 - 10:50		Coffee break	INSA (patio or near amphi)
10:50 - 11:30	William Pasillas-Lépine	Automatic Train Operation: Robust regulation around constrained trajectories	INSA – Amphi Tillion
11:30 - 12:10	Jean-Pierre Barbot	Left inversion of nonlinear dynamic systems	INSA – Amphi Tillion
12:10 - 12:50	Philippe Jouan	Generalized Solutions to Degenerate Dynamical Systems	INSA – Amphi Tillion
13:00 - 14:00		Lunch	INSA (patio or MA B. RC. 07)