

Workshop Program

IMUS, University of Seville, Seville, Spain



Sevilla,
May 2-3

**1st EUROYoung
Workshop**

THU 2 MAY 2019	
08:45-09:15	REGISTRATION GROUND FLOOR
09:15-09:45	OPENING SESSION AULA PROFESOR ANTONIO DE CASTRO BRZEZICKI (GROUND FLOOR)
09:50-11:30	PARALLEL SEMINARS SESSION A
	SEMINARS SESSION A1 "PRICING AND TRADING PROBLEMS" SEMINAR I (1st FLOOR)
09:50-10:10	Alba V. Olivares-Nadal "Exponential Approximation in Dynamic Bid Pricing"
10:10-10:30	Valerio Dose "The price of anarchy as a function of the demand: how the amount of traffic affects the efficiency of selfish routing"
10:30-10:50	Hua Jin "The impact of tax legislation on dynamic lot sizing and promotion decision"
10:50-11:10	Kamyar Kargar "Robust mechanism for bilateral trade under discrete types"
11:10-11:30	Stefano Vaccari "Dynamic Pricing with Online Reviews"
	SEMINARS SESSION A2 "OPTIMIZATION IN ROUTING PROBLEMS I" SEMINAR II (1st FLOOR)
09:50-10:10	Katyanne Farias "A solving method for tactical two-echelon inventory routing problem"
10:10-10:30	D.L. Huerta Muñoz "A matheuristic for the Flexible Periodic Vehicle Routing Problem with heterogeneous fleet"
10:30-10:50	Arsham Atashi Khoei "Energy Minimizing Forklift Routing problem"
10:50-11:10	Maximilian Loeffler "Synchronizing picking tours to reduce lighting cost"
11:10-11:30	Christian Schröder "Granular local search for solving vehicle routing problems"
11:30-12:00	Coffee break
12:00-13:20	PARALLEL SEMINARS SESSION B
	SEMINARS SESSION B1 "OPTIMIZATION IN ROUTING PROBLEMS II" SEMINAR I (1st FLOOR)
12:00-12:20	Ondrej Osicka "Cooperation of customers in traveling salesman problem with profits"

	12:20-12:40	Sina Rastani "Effects of ambient temperature on the route planning of electric freight vehicles"
	12:40-13:00	Maria João Santos "A bilevel approach for the collaborative transportation planning problem"
	13:00-13:20	Ricardo Soares "Multiple vehicle synchronization in a full truck-load pickup and delivery problem: a case-study"
	SEMINARS SESSION B2 "MACHINE LEARNING" SEMINAR II (1st FLOOR)	
	12:00-12:20	Sandra Benítez "Cost-sensitive classification and probabilities estimation for SVM"
	12:20-12:40	Alberto Japón "A new approach to multiclass Support Vector Machines"
	12:40-13:00	Cristina Molero "On the construction of decision trees via mathematical optimization"
	13:00-13:20	María Remedios Sillero "Constrained Lasso regression"
13:20-15:00	Lunch break	
15:00-16:00	PLENARY I Ana Viana "2OR v ~2OR? (that's the question)" AULA PROFESOR ANTONIO DE CASTRO BRZEZICKI (GROUND FLOOR)	
16:00 -16:30	Coffee break	
16:30-17:15	TUTORIAL I Lavinia Amorosi "A practical introduction to Polyscip for multicriteria linear optimization" SEMINAR II (1st FLOOR)	
17:15-	ALCÁZAR GUIDED TOUR (meeting at IMUS entrance)	
FRI 3 MAY 2019		
09:00-10:40	PARALLEL SEMINARS SESSION C	
	SEMINARS SESSION C1 "OPTIMIZATION INVOLVING REALISTIC BEHAVIOUR PATTERNS" SEMINAR I (1st FLOOR)	
	09:00-09:20	Andrea Prieto García "Network analysis with game theory"
	09:20-09:40	Dmiitri Thykonenko "Rational Merging and Irrational Traffic Patterns"
	09:40-10:00	Giorgia Cappello "A variational formulation for a human migration problem"
	10:00-10:20	Michael Kahr "Influence maximization with competition in social networks"
	10:20-10:40	Nihal Berktaş "Team formation on social networks"
	SEMINARS SESSION C2 "TOPICS ON PLANNING AND ALLOCATION OPTIMIZATION" SEMINAR II (1st FLOOR)	
	09:00-09:20	Amin Ahmadi "Multi-period line planning with vehicle rotation"
	09:20-09:40	Beizhen Jia "Cargo Stowage Optimization in RoRo shipping"
	09:40-10:00	Nilson Felipe Matos Mendes "A decision support system for storage allocation in the Field of Pharmaceutical Distribution"
	10:00-10:20	Ramón Piedra-de-la-Cuadra "Optimal allocation of fleet for "skip-stop" strategies in public transport networks"

	10:20-10:40	Nahid Rezaeinia "An assignment problem with side constraints and preference applied to math students with CEMS business projects"
10:40-11:10	Coffee break	
11:10-12:40	PARALLEL SEMINARS SESSION D	
	SEMINARS SESSION D1 "OPTIMIZATION UNDER UNCERTAINTY" SEMINAR I (1st FLOOR)	
	11:10-11:30	Hannah Bakker "K-adaptive Facility location: New Insights on Dynamic Facility location under Uncertainty"
	11:30-11:50	Marta Baldomero-Naranjo "On covering location problems in networks with uncertain edge demands"
	11:50-12:10	Markus Gabl "Uncertainty aversion for Robust linear Optimization with Endogenous Uncertainty"
	12:10-12:30	Riccardo Giusti "A stochastic multi-period transshipment selection problem with synchronized Handling operations"
	SEMINARS SESSION D2 "SCHEDULING PROBLEMS" SEMINAR II (1st FLOOR)	
	11:10-11:30	Markó Horváth "Polyhedral results for position-based scheduling of chains on a single machine"
	11:30-11:50	Amin Mallek "Scheduling unit-time jobs with split conflict graphs"
	11:50-12:10	Gabrijela Obradović "Modeling deterioration costs for preventive maintenance scheduling of multi- component systems"
	12:10-12:30	Carla Talens Fayos "New efficient constructive heuristic for the two stage multi-machine assembly scheduling problem"
12:40-13:40	PLENARY II Federico Perea "Exact methods for hard problems" AULA PROFESOR ANTONIO DE CASTRO BRZEZICKI (GROUND FLOOR)	
13:40-15:00	Lunch break	
15:00-16:20	SEMINARS SESSION E "INSIGHTS ON SOLVERS AND CHALLENGES IN OR" SEMINAR II (1st FLOOR)	
	15:00-15:20	Carolina Castañeda "Aggregation errors in large discrete location models"
	15:20-15:40	Brais González "RAPOSa, a freely available solver for polynomial optimization problems"
	15:40-16:00	Yewen Gu "Autonomous maritime navigation: state of the art and future perspectives"
	16:00-16:20	Gabriele Iommazzo "A methodology for addressing the Algorithm Configuration problem on mathematical programming solver"
16:20-16:50	Coffee break	
16:50-17:35	TUTORIAL II Mercedes Pelegrín "Symmetry Breaking in Integer Programming" SEMINAR II (1st FLOOR)	
17:35-18:00	CLOSING SEMINAR II (1st FLOOR)	
21:00-	SOCIAL DINNER	

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DOCTORAL PROGRAMME IN
MATHEMATICS OF THE UNIVERSITY OF
SEVILLE (R.D. 99/2011) (III PPD)

ACKNOWLEDGEMENTS



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