

Speakers

Speaker	Sesion ID	Day	Hour	Room
Adriana Lara López	W-NEO	sept. 26	11:30-13:00	NEO 2
Alberto Rodríguez Sánchez	MOO I	sept. 26	12:00-12:30	Aula 1
América Morales	ROB	sept. 27	16:45-17:15	NEO 2
América Morales	W-NEO	sept. 26	11:30-13:00	NEO 2
Ángel David Téllez Macías	DO II	sept. 28	10:30-11:00	Aula 1
C. Nuñez-Perez	ODAP I	sept. 27	12:30-13:00	Aula 1
Carlos Coello Coello	Tutorial	sept. 26	16:45-18:15	Aula 1
Carlos Hernández	MOO III	sept. 27	11:30-12:30	Aula 1
Christian Noguez Moreno	MOO VI	sept. 28	11:15-11:45	Aula 1
Christian Noguez Moreno	W-NEO	sept. 26	11:30-13:00	NEO 2
Claudia Gómez-Santillan	DO II	sept. 28	10:00-10:30	Aula 1
Claudia Gómez-Santillan	W-NEO	sept. 26	11:30-13:00	NEO 2
Claudia Orquidea López	DO I	sept. 26	16:45-17:15	NEO 2
Claudia Orquidea López	W-NEO	sept. 26	11:30-13:00	NEO 2
Darian Reyes Fernández	MOO III	sept. 27	12:30-13:00	Aula 1
David Laredo	AN	sept. 27	09:00-09:30	NEO 2
Esteban Gamboa García	MOO I	sept. 26	12:30-13:00	Aula 1
Guillermo Morales Luna	Cinvestav	sept. 26	14:00-15:00	Aula 1
Heriberto Cruz Hernández	ODAP I	sept. 27	11:30-12:00	NEO 2
Isaac López López	DO I	sept. 26	17:45-18:00	NEO 2
J.N Martínez-Castelán	DE	sept. 26	15:00-15:30	Aula 1
J.S Pantoja-García	DE	sept. 26	15:30-16:00	Aula 1
Javier Flavio Viguera Gomez	ODAP II	sept. 27	15:30-16:00	NEO 2
Javier Gurrola-Ramos	SON	sept. 28	09:30-10:00	NEO 2
Jian-Qiao Sun	Key-Note	sept. 27	10:15-11:15	Aula 1
Jesus Fernández	IND	sept. 26	17:45-18:15	NEO 3
Juan Ceballos Corral	IND	sept. 26	16:45-17:15	NEO 3
Kalyanmoy Deb	Key-Note	sept. 26	10:00-10:15	Aula 1
L.A. Quezada-Téllez	MOO I	sept. 26	11:30-12:00	Aula 1
Laura Cruz Reyes	MOO V	sept. 27	16:45-17:15	Aula 1

Speakers

Speaker	Sesion ID	Day	Hour	Room
Laura Cruz Reyes	W-NEO	sept. 26	11:30-13:00	NEO 2
León Dozal	GP	sept. 26	15:00-15:30	NEO 2
Lourdes Uribe	MOO II	sept. 27	09:30-10:00	Aula 1
Lourdes Uribe	SON	sept. 28	10:00-10:30	NEO 2
Lourdes Uribe	W-NEO	sept. 26	11:30-13:00	NEO 2
Luis Carlos González	GP	sept. 26	16:00-16:30	NEO 2
Luis Muñoz	AN	sept. 27	09:30-10:00	NEO 2
Manuel Bogoya	Key-Note	sept. 27	14:30-15:30	Aula 1
Marta Cabo	DO I	sept. 26	17:15-17:45	NEO 2
Marta Cabo	W-NEO	sept. 26	11:30-13:00	NEO 2
Miriam Pescador	MOO VI	sept. 28	11:45-12:15	Aula 1
Miriam Pescador	W-NEO	sept. 26	11:30-13:00	NEO 2
Mercedes Pérez-Villafuerte	W-NEO	sept. 26	11:30-13:00	NEO 2
Nelson Rangel-Valdez	DO II	sept. 28	09:30-10:00	Aula 1
Oliver Cuate	MOO IV	sept. 27	15:30-16:00	Aula 1
Oliver Cuate	MOO V	sept. 27	16:15-16:45	Aula 1
Oliver Schütze	MOO II	sept. 27	09:00-09:30	Aula 1
Oliver Schütze	Key-Note	sept. 26	09:20-10:00	Aula 1
Perla Juárez	GP	sept. 26	15:30-16:00	NEO 2
Perla Juárez	W-NEO	sept. 26	11:30-13:00	NEO 2
Roides Javier Cruz Lara	DE	sept. 26	16:00-16:30	Aula 1
Saúl Martínez Díaz	ODAP I	sept. 27	12:00-12:30	NEO 2
Saúl Zapotecas-Martínez	SON	sept. 28	10:30-11:00	NEO 2
Sergio Luis Pérez Pérez	IND	sept. 26	17:15-17:45	NEO 3
Teodoro Alvarez-Sánchez	ODAP II	sept. 27	14:30-15:00	NEO 2
Teodoro Alvarez-Sánchez	ODAP II	sept. 27	15:00-15:30	NEO 2
Victor López-López	ROB	sept. 27	16:15-16:45	NEO 2

NEO 2018

Wednesday Sept., 26

Main Room (Aula 1)

9:00 AM	<i>Opening Ceremony</i>			
9:20 AM	On Continuation Methods for Continuous MOPs		by Oliver Schütze	
10:00 AM	<i>Coffee Break</i>			
10:15 AM	Extreme-Scale Evolutionary Optimization: A Case Study on a Billion-Variable Resource Allocation Problem		by Kalyanmoy Deb	
11:15 AM	<i>Workshop Photo</i>			
	W-NEO Chair: A. Lara	Multi-objective Optimization I (MOO I)	Chair: Carlos Hernández	
11:30 AM	room NEO_R2	Multiobjective Optimization of an Investment Portfolio: A Preliminary Study of the American, European, and Mexican Stock Markets	by Quezada-Téllez L.A.	
		Using a Parallel Tabu Search to Approximate Uniform Design	by Rodríguez Sánchez Alberto	
		On the Deployment of Radio Frequency Identification Readers: A Multiobjective Perspective	By Esteban Gamboa García	
1:00 PM	<i>Lunch for invited students (at CEC, Jardín Botánico)</i>		<i>Lunch for the rest of attendees (on your own)</i>	
2:00 PM	Studies at CINVESTAV	by Guillermo Morales		
	Differential Evolution I	Chair: Miriam Pescador		Genetic Programming I
3:00 PM	Concurrent Design of a Passive Bipedal Walker using Differential Evolution Algorithm	by Martínez-Castelán J.N		room NEO_R2
3:30 PM	Concurrent Design of a Bipedal Lower-limb by Using Differential Evolution	by Pantoja-García J.S		
4:00 PM	Engineering Optimization by Combining an Adapted Nelder-Mead Method with Differential Evolution	by Roides Javier Cruz Lara		
4:30 PM	<i>Coffee Break</i>			
	Tutorial	Chair: Adriana Lara		Discrete Optimization I Industrial Applications
4:45 PM	Metaheurísticas Bio-Inspiradas: Resolviendo problemas como la naturaleza lo haría	by Carlos A. Coello Coello		room NEO_R2 room NEO_R3
6:15 PM	<i>End of first day</i>			

Wednesday Sept., 26

Room (NEO_R2)

		W-NEO	Multi-objective Optimization I (MOO I)
11:30 AM		Networking time by Adriana Lara López	Aula 1
1:00 PM <i>Lunch</i>			
		Differential Evolution I	Genetic Programming I Chair: Leonardo Trujillo
3:00 PM		Aula 1	Analysis of Similarity Measures of Protein Sequences Applied to Trees in Genetic Programming by León Dozal
3:30 PM			Pool-based Genetic Programming with Speciation, Bloat Control and Local Search by Juárez Perla W-NEO
4:00 PM			Yet Another Guiding Scheme for Multi Objective Evolutionary Algorithms as produced by Genetic Programming by Luis Carlos González
4:30 PM <i>Coffee Break</i>			
		Tutorial	Discrete Optimization I Chair: Marcela Quiroz
			Industrial Applications
4:45 PM	Aula 1	Packing Problem as a Mixed Integer Non-linear Model Using Formulation Space Search	by Claudia Orquidea López W-NEO
5:15 PM		Beam Search: A Tree Search Heuristic and its Applications to Cutting and Packing Problems	by Marta Cabo W-NEO
5:45 PM		Metaheuristics in the Optimization of Cryptographic Boolean Functions	by Isaac López López
room NEO_R3			

Wednesday Sept., 26

Room (NEO_R3)

		W-NEO	Multi-objective Optimization I (MOO I)	
11:30 AM		room NEO_R2	Aula 1	
1:00 PM <i>Lunch</i>				
		Differential Evolution I	Genetic Programming I	
3:00 PM		Aula 1	room NEO_R2	
4:30 PM <i>Coffee Break</i>				
		Tutorial	Discrete Optimization I	
			Industrial Applications Chair: Leonardo Trujillo	
4:45 PM	Aula 1	room NEO_R2	Multi-Objective Integer Linear Optimization of a Distribution Problem of Brand-New Tractor Units by Juan Ceballos Corral	
5:15 PM				Analysis of Dimensionwise Variation Heuristics for the Multidimensional Assignment Problem by Pérez Pérez Sergio Luis
5:45 PM				Many-objective Portfolio Optimization for Natural Gas Loans by Jesus Fernández

NEO 2018

Thursday Sept., 27

Main Room (Aula 1)

	Multi-objective Optimization II (MOO II) Chair: Marcela Quiroz	Artificial Networks
9:00 AM	On the Design of Hybrid Evolutionary Multi-objective Optimization Algorithms for Constrained MOPs by Oliver Schütze	Room NEO_2
9:30 AM	An Overview of Constraint Handling Methods for MOPs by Lourdes Uribe W-NEO	
10:00 AM	<i>Coffee Break</i>	
10:15 AM	Cell Mapping Methods - Algorithmic Approaches and Application	by Jian-Qiao Sun
11:15 AM	<i>Coffee Break</i>	
	Multi-objective Optimization III (MOO III) Chair: Oliver Schütze	Digital and Analysis Processing (ODAP I)
11:30 AM	Cell Mapping Methods for Multi-objective Optimization by Carlos Hernández	Room NEO_2
12:30 PM	VHDL by MOEA: a Tool for Multi-objective Optimization in High-Level Synthesis by Darian Reyes Fernández	
1:00 PM	<i>Lunch (on your own)</i>	
	Multi-objective Optimization IV (MOO IV) Chair: Oliver Schütze	Digital and Analysis Processing (ODAP II)
2:30 PM	A Generalization of the Averaged Hausdorff Distance Δ_p by Manuel Bogoya	Room NEO_2
3:30 PM	Using the Pareto Explorer Framework for the Decision-making Processes in Real-world Applications by Oliver Cuate	
4:00 PM	<i>Coffee Break</i>	
	Multi-objective Optimization V (MOO V) Chair: Saúl Zapotecas	Robotics
4:15 PM	Variation Rate: an Alternative to Maintain Diversity in Decision Space for Multi-objective Evolutionary Algorithms by Oliver Cuate	Room NEO_2
4:45 PM	DPEM-HH: A population Evolvability-based Multi-objective Hyperheuristic to Solve Dynamic Multi-objective Optimization Problems by Lara Cruz W-NEO	
5:15 PM	<i>End of talks</i>	
6:30 PM	<i>GALA DINNER</i>	
12:00 AM		

Thursday Sept., 27

Room NEO_2

	Artificial Networks	Chair: Yazmín Maldonado	Multi-objective Optimization II (MOO II)
9:00 AM	A Neural Network-Evolutionary Computation Framework for Remaining Useful Life Estimation	by David Laredo	Aula 1
9:30 AM	Transfer Learning of Evolved Feature Transformations	by Luis Muñoz	
10:00 AM	<i>Coffee Break</i>		
10:15 AM	Key-note talk in Aula 1		
11:15 AM	<i>Coffee Break</i>		
	Digital and Analysis Processing (ODAP I)	Chair : F. Javier Vigueras	Multi-objective Optimization III (MOO III)
11:30 AM	A Method to Optimize the Order Type Maximal Perturbation Through Multiple Single Point Displacements	by Heriberto Cruz Hernández	Aula 1
12:00 PM	Depth Estimation for a Monocular Vision System	by Martínez Díaz Saúl	
12:30 PM	Dynamical and Numerical Analysis of Chen Chaotic Oscillator	by Nuñez-Perez C	
1:00 PM	<i>Lunch (on your own)</i>		
	Digital and Analysis Processing (ODAP II)	Chair: F. Javier Vigueras	Multi-objective Optimization IV (MOO IV)
2:30 PM	Implementation Of An Object Recognition System Based On Deep Learning In A Rpas	by Teodoro Alvarez-Sánchez	Aula 1
	Real-Time Weapon Recognition Using Deep Learning	by Teodoro Alvarez-Sanchez	
3:30 PM	Probabilistic Uniformity as a Similarity Measure Robust to Lighting Changes	by Javier Flavio Vigueras Gomez	
4:00 PM	<i>Coffee Break</i>		
	Robotics	Chair: Adriana Lara	Multi-objective Optimization V (MOO V)
4:15 PM	Improving a Vision-based SLAM System Using Novelty Search	by Victor López-López	Room NEO_2
4:45 PM	A Review in Autonomous Driving: present and future trends	by America Morales W-NEO	
5:15 PM	<i>End of talks</i>		
6:30 PM	<i>GALA DINNER</i>		
12:00 AM			

NEO 2018

Friday Sept, 28

Main Room (Aula 1)

	Discrete Optimization II (DO II) Marcela Quiroz	Chair :	Set Oriented Numerics (SON)
9:30 AM	A study of the Effect of the Decision Maker Profile in the Decision-making Process	by Nelson Rangel	Room NEO_2
10:00 AM	Obtaining Inference Rules Through Compensatory Fuzzy Logic for Decision Problems with Imperfect Knowledge	by Gómez-Santillan Claudia W-NEO	
10:30 AM	Multi-objective Optimization of the Supply Chain Design and Operation	by Angel David Téllez Macías	
11:00 AM	<i>Coffee Break</i>		
	Multi-objective Optimization VI (MOO VI) Chair: Adriana Lara		
11:15 AM	Efficiency of Mexican Universities Using Minimum Distance Approach in Data Envelopment Analysis	by Christian Lizbeth Noguez Moreno W-NEO	
11:45 AM	Automatic Design of Multiobjective Optimization Evolutionary Algorithm Based on Decomposition	by Miriam Pescador W-NEO	
12:15 PM	CLOSING SESSION		
	<i>End of Workshop</i>		

Room NEO_2

	Set Oriented Numerics (SON) Carlos Hernández	Chair:	Discrete Optimization II (DO II)
9:30 AM	COLSHADE-Levy for Constrained Optimization	by Javier Gurrola-Ramos	Aula 1
10:00 AM	The Δp Newton Method	by Lourdes Uribe W-NEO	
10:30 AM	On the Stability in Dynamic Systems to Analyze Evolutionary Multiobjective Algorithms	by Saúl Zapotecas-Martínez	
11:00 AM	<i>Coffee Break</i>		
	Multi-objective Optimization VI (MOO VI)		
11:15 AM	Aula 1		
11:45 AM			
12:15 PM	CLOSING SESSION		
	<i>End of Workshop</i>		