

Program

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	HOURS
8:00 – 8:45	Registration					8:00 – 8:45
8:45 – 9:00	Opening Ceremony					8:45 – 9:00
9:00 – 10:45	Mini-course 1	Mini-course 1	Session 5	Mini-course 3	Mini-course 3	9:00 – 10:45
10:45 – 11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	10:45 – 11:00
11:00 – 12:15	Session 1	Session 3	Plenary 3	Session 6	Session 8	11:00 – 12:15
12:15 – 13:30	Plenary 1	Plenary 2	Lunch	Plenary 4	Plenary 5	12:15 – 13:30
13:30 – 15:00	Lunch	Lunch	Free time - Guided sightseeing tour (optional)	Lunch	Lunch	13:30 – 15:00
15:00 – 16:45	Mini-course 2	Mini-course 2		Mini-course 4	Mini-course 4	15:00 – 16:45
16:45 – 17:00	Break	Break		Break	Closing Ceremony	16:45 – 17:00
17:00 – 18:40	Session 2	Session 4		Session 7		17:00 – 18:40
19:00	Brindis/ Welcoming Reception					19:00
20:00				Dinner	Social Activity	20:00

Plenary sessions

Plenary 1. **Vyacheslav Kalashnikov.**

A Heuristic Algorithm to Solve Bilevel Toll Optimization Problems.

Plenary 2. **Martine Labbé.**

Stackelberg games and bilevel bilinear optimization problem.

Plenary 3. **Boris Mordukhovich.**

Bilevel programming via generalized convexity and variational analysis.

Plenary 4. **Leo Liberti.**

Measuring Smart Grids: Optimal Placement of Sensors in Power Grids.

Plenary 5. **Ted Ralphs.**

Algorithms for multilevel and multistage discrete optimization problems.

Mini-courses

Mini-course 1. **Carmen Galé.**

Theoretical and algorithmic approaches to Bilevel programming.

Mini-course 2. **Stephan Dempe.**

Solution approaches for optimistic bilevel optimization problems.

Mini-course 3. **Ankur Sinha.**

Evolutionary Bilevel Optimization: Applications and Methodologies.

Mini-course 4. **Jakub Mareček.**

Probabilistic analyses in bi-level optimisation under uncertainty.

Sessions

Session 1: Reformulations.

1. **Susanne Franke.**

A bundle algorithm for solving bilevel optimization problems: inexact method using the optimal value reformulation.

2. **Liang Xu.**

Computing Bilevel Mixed Integer Nonlinear Programming Problems.

3. **Sergey Ivanov.**

On bilevel stochastic programming problem with quantile objective function.

Session 2: Logistics 1.

1. **Chaosheng Dong.**

Reliable equilibrium network design of vehicle sharing systems.

2. **Dámaris Dávila.**

A bi-level districting problem in a supply chain: application to a local situation in a manufacturer of biscuits.

3. **Jaqueline Angelo.**

Production and Distribution Planning: A Bilevel model and a study on the use of metaheuristics.

Session 3: Logistics 2.

1. **Zaida Alarcón.**

Selection of Governments Arrangements for Freight Transport in Mexico City: A Bilevel System.

2. **Sayuri Maldonado.**

A Nash-Genetic algorithm for solving a green logistics bi-level bi-objective problem.

3. **Stefano Costanzo.**

Modular Multi-Objective Genetic Algorithm for Large Scale Bi-level Problems.

Session 4: Location.

1. **Andrey Melnikov.**
Upper bound and exact method for the capacitated competitive facility location problem.
2. **Ivan Davydov.**
Fast tabu search for the competitive base station location problem in cellular network with sharing.
3. **Selene Casas.**
The maximal covering location bi-level problem.
4. **Fernando Camacho.**
Solving a bilevel capacitated facility location problem with customer's preferences via a cross-entropy based method.

Session 5: Energy.

1. **Bo Zeng.**
Renewable Investment under Electricity Market: A Robust Bilevel Optimization Approach.
2. **Luce Brotcorne.**
Bilevel models for energy pricing problems.
3. **Kai Hennig.**
The Power Plant Product Problem - Modeling Contracts on Gas Networks.
4. **Sonia Toubaline.**
Monitoring smart grids using bi-level programming.

Session 6: Applications.

1. **Tobias Seidel.**
Solving the gemstone cutting problem by semi-infinite optimization.
2. **Leonardo Lozano.**
A Backward Sampling Framework for Interdiction Problems with Fortification.
3. **Luz Patiño.**
Bilevel programming model for a flexible flowshop scheduling problem.

Session 7: Transportation.

1. **Gloria Londoño.**
Traffic analysis of a transportation network as a bilevel optimization program.
2. **Francisco López.**
A heuristic for mixed linear integer bi-level programming problems based on Benders decomposition.
3. **Pirmin Fontaine.**
Benders Decomposition for the Hazmat Transport Network Design Problem.

Session 8: Related topics.

1. **Guadalupe Villarreal.**

Simulation based bi-objective optimization applied to manufacturing processes.

2. **Laritza Limia.**

Una estrategia por vecindades para el problema de enrutamiento de vehículos con compartimientos

3. **José Flores.**

Conjectural Variations Equilibrium in a Mixed Duopoly of a Special Structure.

Remark 1. The welcoming reception will consist in wine, Mexican beer, beverages, snacks and tacos. All the IWOBIP'16 participants are welcome.

Remark 2. The guided sightseeing tour is optional and it is free. We will visit the Grutas de García (see more information in the touristic places recommended at the IWOBIP'16 website). There are a limited number of places (40), please confirm your interest at the registration desk or with the organizer.

Remark 3. Thursday's dinner is included for plenaries speakers, mini-courses speakers, full scholarships and regular applications. Extra tickets for accompanying persons will cost 400 Mexican pesos (please contact to the organizer).

Remark 4. A Latin-American night will be held in a comfortable bar located at the Barrio Antiguo on Friday (social activity). All the people are invited but the expenses are on your own. More information will be given at the registration desk or during the IWOBIP'16.

Remark 5. Lunch will be provided for the assistants every day. If you have vegetarian or allergic constraints please contact to the organizer.