

# GENERAL SCHEDULE FIRST WEEK<sup>1</sup>

MONDAY				
ACTIVITY	SCHEDULE	SPEAKER	TITLE	PLACE
Inscriptions	8:30 - 9:40			Coffe zone
Talks	9:40 - 10:10	Primitivo Acosta	Differential Galois Groups in Supersymmetric Quantum Mechanics	Auditorium
Talks	10:10 - 10:40	Edison Culma	On distinguished orbits of representation of real reductive Lie groups	Auditorium
Coffe	10:40 - 11:00			Coffe zone
Course 1	11:00 - 12:00	María Julia Redondo	Introduction to Tilting Theory	Room 1
Lunch	12:00 -15:00			
Course 2	15:00 - 16:00	Dag Oskar Madsen	Extension algebras	Room 1
Course 3	16:00 – 17:00	Raymundo Bautista	Reduction in Representation of algebra	Room 2
Coffe	17:00 – 17:20			Coffe zone
Plenary	17:20 - 18:10	Flavio Ulhoa Coelho	TBA	Auditorium

TUESDAY				
ACTIVIDAD	HORARIO	CONFERENCISTA	TÍTULO	LUGAR
Course 2	9:00 - 10:00	Dag Oskar Madsen	Extension algebras	Room 1
Coffe	10:00 - 10:20	Coffe		Coffe zone
Talk	10:20 - 11:00	Artenstein D.	Classification of Toupie Algebras	Auditorium
Plenary	11:00 - 12:00	Peter Schneider	Hecke algebras in their natural characteristic are Gorenstein	Auditorium
Lunch	12:00 -15:00			
Course 3	15:00 - 16:00	Raymundo Bautista	Reduction in Representation of algebra	Room 1
Coffe	16:00 - 16:20			Coffe zone
Plenary	16:20 – 17:10	Vyacheslav Futorny	Gelfand-tsetlin and bethe jet schemes for $gl(N)$	Auditorium
Plenary	17:10 – 18:00	Marcelo Lazilotta	La funcion de Igusa-Todorov	Auditorium

<sup>1</sup> Course documents can be downloaded from <http://ciencias.udea.edu.co/cimpa/courses/>



**WEDNESDAY**

Course 1	9:00 - 10:00	María Julia Redondo	Introduction to Tilting Theory	Room 1
Coffe	10:00 - 10:20			Coffe zone
Tribute	10:20 - 11:10	Coordinated by professor Agustin Moreno	Professor Oleksandr Zavadskyy: the Kiev's school legacy in Colombia	Auditorium
Meeting	11:10 - 12:00	Talk about graduate programs	Coordinated by professor Eduardo Marcos	Auditorium
Integration	12:00			

**THURSDAY**

Course 1	9:00 - 10:00	María Julia Redondo	Introduction to Tilting Theory	Room 1
Coffe	10:00 - 10:20			Coffe zone
Talk	10:20 - 10:50	Claudio Rodríguez	Representaciones de posets multiordenados, en memoria de Alexander G. Zavadskij	Auditorium
Talk	10:50 - 11:20	Ivon Dorado	Representaciones de posets multiordenados, en memoria de Alexander G. Zavadskij	Auditorium
Semi-plenary	11:20 - 12:00	María Andrea Gatica	The Higher Relation Bimodule	Auditorium
Lunch	12:00 - 15:00			
Course 3	15:00 - 16:00	Raymundo Bautista	Reduction in Representation of algebra	Room 1
Talk	16:00 - 16:30	Amir Mafi	Anihilation of local homology modules	Auditorium
Coffe	16:30 - 16:50			Coffe zone
Talk	16:50 - 17:20	Paula Andrea Cadavid	Straftiying systems over hereditary algebras	Auditorium
Semi-plenary	17:20 - 18:00	Eduardo Marcos	TBA	Auditorium

## FRIDAY

Course 2	9:00 - 10:00	Dag Oskar Madsen	Extension algebras	Room 1
Coffe	10:00 - 10:20			Coffe zone
Talk	10:20 – 10:50	Jarold Alper	Geometrically reductive Hopf algebras	Auditorium
Semi-plenary	10:50 – 11:30	Agustin Moreno Cañadas	Categorical descriptions of some algorithms of differentiation for equipped posets	Auditorium
Semi-plenary	11:30 - 12:10	Erick Backelin	Localization for quantum groups	Auditorium
Lunch	12:00 -15:00			
Course 3	15:00 - 16:00	Raymundo Bautista	Reduction in Representation of algebra	Room 1
Problems section course 3	16:00 - 16:30	Raymundo Bautista	Reduction in Representation of algebra	Room 1
Coffe	16:30 - 16:50			Coffe zone
Talk	16:50 – 17:10	Yadira Valdieveso	2-Calabi-Yau tilted algebras with cyclically oriented quiver	Auditorium
Semi-plenary	17:10 - 18:00	Claudia Chao	Morfismos Irreducibles de Grado Finito	Auditorium

## GENERAL SCHEDULE SECOND WEEK

MONDAY				
ACTIVITY	SCHEDULE	SPEAKER	TITLE	PLACE
Inscriptions	8:30 - 9:40			Coffe zone
Talks	9:40 - 10:10	John Jader Mira	On Poncaire Series of singularities of curves over finite fields	Room 1
		Jeanneth Galeano	On the space of infinitely pseudo-differentiable functions with respect to a quasielliptic operator	Room 2
Talks	10:10 - 10:40	Andrés Ángel	String Topology and Hochschild cohomology of orbifolds	Room 1
		Fernando González	Reciprocidad de Frobenius y fibrados vectoriales equivariantes	Room 2
Coffe	10:40 - 11:00			Coffe zone
Plenary	11:00 - 12:00	Ivan Shestakov	Jordan superalgebras brackets	Auditorium
Lunch	12:00 -15:00			
Courses	15:00 - 16:40	Alberto Elduque	Lie Algebras : Killing-Cartan classification	Room 1
	15:00 - 16:40	Otmar Venjakov	p-adic Numbers and the Hasse Principle	Room 2
Coffe	16:40 - 17:00			Coffe zone
Semi-plenary	17:00 - 17:40	Alejandro Tibaroshi	Algebras de Lie 2-pasos Nilpotentes	Auditorium

**TUESDAY**

ACTIVIDAD	HORARIO	CONFERENCISTA	TÍTULO	LUGAR
Courses	9:00 - 10:40	Miguel Gómez y Cristina Draper	Introduction to Jordan Systems, connections with Lie Algebras	Room 1
	9:00 - 10:40	Wilson Zúñiga	Introduction to local Zeta functions	Room 2
Coffe	10:40 - 11:00			Coffe zone
Talks	11:00 - 11:30	Faber Gómez	El Teorema Principal de Wedderburn en superálgebras de Jordan, algunos contraejemplos.	Room 1
		Danny de Jesus Gómez	Conexidad de esquemas de forzado: un criterio sobre dip-s y sobre su naturaleza local	Room 2
Talks	11:30 - 12:00	Luis Alberto Wills	On a classification of not necessarily associative real division algebras	Room 1
		Pablo Felipe Ardila	Aspectos algebraicos y Geométricos del Grupo Trenza	Room 2
Lunch	12:00 -15:00			
Courses	15:00 - 16:40	Alberto Elduque	Lie Algebras : Killing-Cartan classification	Room 1
	15:00 - 16:40	Otmar Venjakov	p-adic Numbers and the Hasse Principle	Room 2
Coffe	16:40 - 17:00			Coffe zone
Semi-plenary	17:00 - 17:40	Juan Diego Vélez	On the classification of some G-graded twisted k-algebras	Auditorium

**WEDNESDAY**

Courses	9:00 - 10:40	Miguel Gómez y Cristina Draper	Introduction to Jordan Systems, connections with Lie Algebras	Room 1
	9:00 - 10:40	Wilson Zúñiga	Introduction to local Zeta functions	Room 2
Coffe	10:40 - 11:00			Coffe zone
Plenary	11:00 - 12:00	Otmar Venjakov	SK_1 of Iwasawa algebras	Auditorium
Integration	12:00			

## THURSDAY

Courses	9:00 - 10:40	Miguel Gómez y Cristina Draper	Introduction to Jordan Systems, connections with Lie Algebras	Room 1
	9:00 - 10:40	Wilson Zúñiga	Introduction to local Zeta functions	Room 2
Coffe	10:40 - 11:00			Coffe zone
Talks	11:00 - 11:30	Olga Patricia Salazar	On digroups	Room 1
		Hector Quiceno	Subvariedades de Lie-Banach	Room 2
Talks	11:30 - 12:00	Milton Armando Reyes	Global, Krull and Goldie dimensions of skew PBW extensions	Room 1
		Mary Luz Rodiño	Nilalgebras conmutativas de dimensión finita y de nilíndice 4 y el problema de Albert	Room 2
Lunch	12:00 -15:00			
Courses	15:00 - 16:40	Alberto Elduque	Lie Algebras : Killing-Cartan classification	Room 1
	15:00 - 16:40	Otmar Venjakov	p-adic Numbers and the Hasse Principle	Room 2
Coffe	16:40 - 17:00			Coffe zone
Semi-plenary	17:00 - 17:40	José Oswaldo Lezama	Serre's theorem for skew PBW Extensions	Auditorium

## FRIDAY

Courses	9:00 - 10:40	Miguel Gómez y Cristina Draper	Introduction to Jordan Systems, connections with Lie Algebras	Room 1
	9:00 - 10:40	Wilson Zuñiga	Introduction to local Zeta functions	Room 2
Coffe	10:40 - 11:00			Coffe zone
Plenary	11:00 - 12:00	Pedro Luis del Ángel	Introducción algebraica a la teoría de Hodge	Auditorium
Lunch	12:00 -15:00			
Courses	15:00 - 16:40	Alberto Elduque	Lie Algebras : Killing-Cartan classification	Room 1
	15:00 - 16:40	Otmar Venjakov	p-adic Numbers and the Hasse Principle	Room 2
Coffe	16:40 - 17:00			Coffe zone
Semi-plenary	17:00 - 17:40	Mariano Suarez Álvarez	Calabi-Yau algebras of dimension 3 from Steiner triple systems	Auditorium