

# First International Workshop Non-associative algebras in Cádiz

Cádiz, Spain, 21<sup>st</sup> - 24<sup>th</sup> of February 2018

## Program

### Wednesday 21st

---

#### 10:00 Session I:

Chairman: **David Towers** (UK)

10:00 [Double extensions of Lie superalgebras in characteristic 2](#)

Sofiane Bouarroudj (UAE)

10:50 [Derivations of modular Lie algebras](#)

Salvatore Siciliano (Italy)

#### 11:40 Coffee Break

#### 12:10 Session II:

Chairman: **Manuel Ladra González** (Spain)

12:10 [Lie algebras, similar matrices and bilinear forms](#)

Alice Fialowski (Hungary)

13:00 [On ternary algebras and a \(new\) ternary generalization of Jordan algebras](#)

Paulo Saraiva (Portugal)

#### 14:00 Lunch

#### 15:30 Session III

Chairman: **Pasha Zusmanovich** (Czech Republic)

15:30 [Non abelian tensor product of restricted Lie superalgebras](#)

María Pilar Páez Guillán (Spain)

16:00 [Ideals and derivations of Lie algebra of column-finite infinite matrices](#)

Waldemar Holubowski (Poland)

#### 16:50 Break

#### 17:10 Session IV

Chairman: **Paulo Saraiva** (Portugal)

17:10 [Involutions gradings and identities on matrix algebra](#)

Thiago Castillo de Mello (Brazil)

18:00 [One the homological properties of the universal enveloping Leibniz algebra](#)

Elisa María Cañete Molero (Spain)

Chairman: **Tobias Moede** (Germany)

18:20 [Baric and dibaric property transitions of a class of two-dimensional chains of evolution algebras](#)

Sherzod Murodov (Spain)

18:40 [Leibniz algebras constructed by representations of General Diamond Lie algebras](#)

Ikboljon Karimjanov (Spain)

### Thursday 22nd

---

#### 10:00 Session V:

Chairman: **Salvatore Siciliano** (Italy)

10:00 [Gradings on Lie algebras: main results and tools](#)

Cristina Draper Fontanals (Spain)

10:50 [Rota-Baxter operators, O-operators, bisystems and bialgebras](#)

Abdenacer Makhlouf (France)

#### 11:40 Coffee Break

#### 12:10 Session VI:

Chairman: **Waldemar Holubowski** (Poland)

12:10 [Quadratic 2-step Lie algebras: Computational algorithms and classification](#)

Jorge Roldán López (Spain)

12:30 [Split HOM-Leibniz color 3-algebras](#)

Yury Popov (Brazil)

13:00 [Non-semigroup gradings of associative algebras](#)

Pasha Zusmanovich (Czech Republic)

#### 14:00 Lunch

#### 15:30 Session VII

Chairman: **Abdenacer Makhlouf** (France)

15:30 [Nilpotent associative algebras and coclass theory](#)

Tobias Moede (Germany)

16:00 [Universal enveloping of Lie and Leibniz crossed modules](#)

Manuel Ladra González (Spain)

#### 16:50 Break

#### 17:10 Session VIII

Chairman: **Thiago Castillo de Mello** (Brazil)

17:10 [Algebras of the second level](#)

Yury Volkov (Russia)

18:00 [Augmented ternary maps and their applications](#)

Francisco Javier Navarro Izquierdo (Spain)

Chairman: **Cristina Draper Fontanals** (Spain)

18:20 [A categorical characterisation of Lie algebras](#)

Xabier García Martínez (Spain)

18:40 [Perfect braided crossed modules of Lie algebras](#)

Alejandro Fernández Fariña (Spain)

## Friday 23rd

---

### 10:00 Session IX:

Chairman: **Alice Fialowski** (Hungary)

*10:00 [Searching for simple Lie algebras in characteristic 2](#)*

Bettina Eick (Germany)

*10:50 [Abelian subalgebras and ideals of maximal dimension in nilpotent and supersolvable Lie algebras](#)*

David Towers (UK)

### 11:40 Coffee Break

### 12:10 Session X:

Chairman: **Mykola Khrypchenko** (Brazil)

*12:10 [Leibniz algebras whose associated Lie algebra is a Witt algebra](#)*

Luisa María Camacho Santana (Spain)

*13:00 [Some conjectures on complex finite-dimensional solvable Leibniz algebras](#)*

Bakhrom Omirov (Uzbekistan)

### 14:00 Lunch

### 15:30 Session XI

Chairman: **Bettina Eick** (Germany)

*15:30 [On the classification of Kantor triple systems](#)*

Antonio Ricciardo (Italy)

*16:00 [Jordan Isomorphisms of Finitary Incidence Algebras](#)*

Mykola Khrypchenko (Brazil)

### 16:50 Break

### 17:10 Session X:

Chairman: **Sofiane Bouarroudj** (UAE)

*17:10 [Evolution algebra](#)*

Yolanda Cabrera Casado (Spain)

*18:00 [The classification of  \$n\$ -dimensional algebras with  \$\(n-2\)\$ -dimensional annihilator](#)*

Amir Fernández Ouadiri (Spain)

*18:20 [The structure of split regular Hom-Poisson algebras](#)*

María Jesús Aragón Perriñán (Spain)