

Second Meeting of the TWMA 2017



Tunisian Women Mathematician's Association

The first mathematical school of Algebraic Geometry and Applications in Tunisia

September 11-15, 2017, Hammamet, Tunisia

Scientific Committee

M. Akriche (IPEIB, Tunisia)
A. Baklouti (SMT Chair, Tunisia)
A. Ben Abda (ENIT, Tunisia)
A. Dickenstein (FCEN, Argentina)
L. Ghammam (ENSI Caen, France)
S. Khenissy (TWMA Chair, Tunisia)
M-F. Roy (CWM Chair, France)

Organizing Committee

R. Amami (FST, Tunisia)
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Y. Rébaï (EPT, Tunisia)

Welcome Committee

K. Mbarki (FSM, Tunisia)
M. Moalla (ISBST, Tunisia)
S. Saanouni (ISMAI, Tunisia)

Contact: tunwma@gmail.com

To register (From January 30, 2017 to May 30, 2017): <https://tunwma.com>

Second Meeting of the TWMA 2017

The first mathematical school of “Algebraic Geometry and Applications”

11-15 September 2017, Hammamet, TUNISIA

The mathematical specialty of Algebraic Geometry is not very developed in Tunisia and we have very few Tunisian specialists in this important field, hence our great motivation to make this mathematical school to invite the young Tunisian students to discover it.

*This Mathematical School is dedicated to Master Degree students to deepen and enrich their mathematical training and to PhD students who already are making a thesis in the field of algebraic geometry or who need to either discover or complement their mathematical training in this field. Two mini-courses in algebraic geometry will be presented during 5 days by **Ms. Marie-Françoise ROY** and **Ms. Elise LORENZO GARCIA** (15 hours). The courses include a significant proportion of time devoted to background and introductory material. We want this school to offer an exciting opportunity for students and teachers to meet, exchange ideas, discuss and evolve. The aim is to encourage, energize and motivate mathematical research in general and in this area in particular .*

Schudle

Sunday, September 10, 2017

Arrival and welcome of participants all day (badge, Note block and Schudle)

19h30: Dinner

21h00-21h15: Welcome Speech by the President of the TWMA

Monday 11/09/2017	Tuesday 12/09/2017	Wednesday 13/09/2017	Thursday 14/09/2017	Friday 15/09/2017
<i>Mini-course</i>				
9h00-10h30 Mini-course M-F. Roy	9h00-10h30 Mini-course M-F. Roy	9h00-10h30 Mini-course M-F. Roy	9h00-10h30 Mini-course M-F. Roy	9h00-10h30 Mini-course M-F. Roy
11h00-12h30 Mini-course Elisa Lorenzo Garcia	11h00-12h30 Mini-course Elisa Lorenzo Garcia	11h00-12h30 Mini-course Elisa Lorenzo Garcia	11h00-12h30 Mini-course Elisa Lorenzo Garcia	11h00-12h30 Mini-course Elisa Lorenzo Garcia
<i>Conferences</i>				
<i>Chairperson</i> M. Akriche	<i>Chairperson</i> M. Boudabra	<i>Chairperson</i> L. Ghammam	<i>Chairperson</i> A. Bezia	<i>Chairperson</i> M. Smirani
15h00-15h45 M. Boudabra (Conference)	15h00-15h45 M. Smirani (Conference)	15h00-15h45 T.O. Celik (Conference)	15h00-15h45 D. Boucher (Conference)	15h00-15h45 H. Louati (Conference)
16h00-16h45 L. Ghammam (Conference)	16h00-16h45 A. Bezia (Conference)	16h00-16h45 M. Akriche (Conference)	16h00-16h45 N. Ouled Azaiez (Conference)	16h00-16h45 M. Sadek (Conference)
17h00-18h00 <i>Know your Neighbor !</i>	17h30-18h30 <i>Ceremony : TWMA Trophies of Honor, as a tribute by the TWMA to Professors M. F. Roy, Saïd Zarati and Chedly Touibi.</i>	17h30-18h30 <i>Ceremony : TWMA Awards for Best PhD Math and Appl. Math. for Tunisian Women.</i>	17h00-17h45 S. Bouanani (Conference)	17h30-18h30 <i>General Assembly of the TWMA.</i>

2 mini-courses by

Marie-Francoise ROY, Professor Emeritus at Université de Rennes 1, France

Title : *Real Algebraic Geometry: Quantitative and Algorithmic Methods*

(based on the book : S. Basu, R. Pollack, M.-F. Roy Algorithms in Real Algebraic Geometry)

Elisa LORENZO GARCIA, Lecturer at Université de Rennes 1, France (invited by TWMA)

Title : *Elliptic curves: Theory and Applications to Cryptography*

*(based on the books : J. H. Silverman, The Arithmetic of Elliptic Curves, Springer, 1986.
L. C. Washington, Elliptic Curves: Number Theory and Cryptography, 2003)*

11 Conferences by

1. Mouadh **Akriche** (Tunisia) : *Real and complex fibrations of low genus.*
2. Abdelhamid **Bezia** (Algeria) : *Multiplicity and Bézout Theorem.*
3. Saber **Bouanani** (Tunisia) : *Li's criterion and the Riemannian hypothesis for function fields.*
4. Delphine **Boucher** (France): *Some generalities on the self-dual cyclic codes.*
5. Maher **Boudabra** (France): *Prime numbers - Cryptography - Computational methods over finite fields.*
6. Turku Ozlum **Celik** (France): *Arithmetic in hyperelliptic curves.*
7. Loubna **Ghammam** (France) : *Elliptic curves from the useless to the indispensable .*
8. Hanen **Louati** (Tunisia) : *Semi-classical quantization rules for a periodic orbit of hyperbolic type.*
9. Mohammad **Sadek** (Egypt): *Elliptic curves and continued fractions.*
10. Maha **Smirani** (Tunisia) : *Deformation of complex fibrations of genus 2, I.*
11. Nejib **Ouled Azaiez** (Saudi Arabia): *Intersection of Arithmetic varieties.*