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First International Conference on Algebraic Topology and its Applications in Robotics (ICATAR-23)

https://www.algtop.net/conference_2023

March, 17-18, 2023 at Faculty of Sciences, Meknès
In honor of Professor Mohamed Rachid Hilali



Scientific Committee:

Pr. Hassan Aaya, UIC, Casablanca.
Pr. Khalid Boutahir, Mohamed first University, Oujda.
Pr. Saloua Chouingou, Hassan 2 University, Casablanca
Pr. El Hassan El Idrissi, Mohamed first University, Oujda.
Pr. Mohammed Rachid Hilali, Hassan 2 University, Casa.
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First International Conference on Algebraic Topology and its Applications in Robotics

Program ICATAR 2023 [GMT+1]

First day: March 17, 2023	
Friday	Opening Ceremony
14h30-15h00	Welcoming participants
15h00-16h00	Opening ceremony and testifying
Coffee break: 16h00-16h20	

Friday	Speakers: Amphi H	Title:
Chair: Pr. Abdelhak ABOUQATEB, University Cadi Ayyad, Marrakech, Morocco		
16h20-16h55	➤ Pr. Youssef RAMI, University Moulay Ismail, Meknès, Morocco	➤ The Hilali Conjecture and the Milnor-Moore spectral sequence.
17h00-17h50	➤ Pr. Antonio Viruel, University of Malaga, Spain	➤ Every finite set of rational numbers containing 0 is a mapping degree set between Poincaré Duality minimal models.
Chair: Pr. Hamid ABCHIR, University Hassan II, Casablanca, Morocco		
17h55-18h45	➤ Pr. Lucile Vandembroucq, University of Minho, Portugal	➤ On The topological complexity of manifolds with fundamental group.
18h50-19h20	➤ Saloua CHOUINGOU, University Hassan II, Casablanca, Morocco	➤ Lecture on the Hilali Conjecture.

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Second day: March 18, 2023

Chair: Pr. Hassan El Idrissi, University Mohamed First, Oujda, Morocco

9h00-9h50	➤ Pr. Aziz EL KACIMI, University Polytechnique Haut-de France	➤ Les courbes elliptiques en géométrie complexe.
9h55-10h45	➤ Pr. Abdelhak ABOUQATEB, University Cadi Ayyad, Marrakech, Morocco	➤ Une introduction à la géométrie des espaces symétriques.

Coffee break: 10h45-11h05

Chair: Pr. Youssef RAMI, University Moulay Ismail, Meknès, Morocco

11H10-12h00	➤ Pr. Jean-Paul DOERAENE, University of Lille, France	➤ Sectional category, relative category and Topological complexity.
12h05-12h45	➤ Pr. Hicham LEBZIOUI, University Moulay Ismail (EST) Khénifra, Morocco	➤ On a remarkable class of flat pseudo- Riemannian Lie groups.
12h50-13h30	➤ Pr. Houda BELLITIR, University Moulay Ismail, Meknes, Morocco	➤ Classification des variétés complexes compactes.

Lunch: 13h30-14h30

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Algebraic Topology, Knots Theory & Geometry		
Chair: Pr. Hassan AAYA, University Hassan II, Casablanca, Morocco		
Time:	Speakers: Amphi H	Title:
14h45-15h10	➤ Pr. Noura AMRI, University sidi Mohammed Ben abdellah, Fes	➤ Magnetic map on the tangent bundle endowed with g-natural metrics.
15h15-15h40	➤ Pr. Mohamed AQALMOUN, University Sidi Mohamed Ben Abdellah, ENS, Fes	➤ On Gelfand Graded commutative ring
15h45-16h05	➤ Abdelhadi ZAIM, University Hassan II, Casablanca	➤ On a generalized version of the conjecture H.
Chair: Pr. Hicham YAMOUL, University Hassan II, Casablanca, Morocco		
16h10-16h30	➤ Soukaina LAMSIFER, University Hassan II, Casablanca	➤ On Quandle Colorings of knots and links.
16h35-16h55	➤ Smail BENZAKI, University Moulay Ismail, Meknes	➤ Higher topological complexity approximation and Ext functor
17h00-17h20	➤ Said HAMOUN, University Moulay Ismail, Meknes	➤ On the rational topological complexity of coformal elliptic spaces