



CIMPA-BENIN SCHOOL 2018



Scientific Committee

The African Center of Excellence in Mathematical Sciences and Applications (ACE-SMA) of the Institute of Mathematics and Physics, Benin will be hosting from **July 1-14, 2018**, the CIMPA-BENIN SCHOOL 2018 on Dynamical Systems and Applications: Geometrical, Topological and Numerical Aspects. The School aims to introduce graduate students and young researchers to the modern theory of Dynamical Systems with focus on geometrical, topological, numerical methods and applications in Hamiltonian Systems and Celestial Mechanics. **MINI COURSES WILL BE GIVEN ON**

- **Topological methods for detection of instability and chaos, by Marian Gidea (Yeshiva Univ. USA)**
- **Introduction to computation in dynamics, by Rafael De La Llave (Georgia Inst. of Tech. USA)**
- **Introduction to differential ergodic theory, by Stefano Luzzatto (ICTP, Italy)**
- **Computational techniques, tools and implementation, by Josep Masdemont (Univ. Politec. Catalunya, Spain)**
- **Complexity measures for integrable dynamical systems, with geometric applications, by Jean-Pierre Marco, (Univ. Pierre et Marie Curie, France)**
- **Invariant manifolds, splitting of separatrices and exponentially small phenomena, by Tere Seara (Univ. Politec. Catalunya, Spain)**

Marian Gidea (Yeshiva Univ. USA)

Rafael De La Llave (Georgia Tech. USA)

Stefano Luzzatto (ICTP, Italy)

Tere Seara (UPC, Spain)

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To participate, only online registration is available at: www.imsp-uac.org. People who require financial support to cover their participation can apply for it on the web page of the CIMPA at: <https://www.cimpa.info>

