



Mathematics and Cultural Heritage

by **José Francisco Rodrigues***

To celebrate the 2018 European Year of Cultural Heritage, the Lisbon Academy of Sciences hosted on 19 December 2018 the Colloquium on Mathematics and Cultural Heritage. This was an initiative of the International Center for Mathematics (CIM) and the Portuguese Society of Mathematics (SPM), under the program of the Planet Earth Mathematics Committee, which has the support of the National Commission of UNESCO Portugal. The program was also supported by the University of Coimbra Science Museum (MCUC) and the University of Lisbon National Museum of Natural History and Science (MUHNAC).

The eight videos (in Portuguese) of the program are available at <http://www.cim.pt/agenda/event/197> and were edited and published by the CMAFcIO/Ciências/ULisboa and supported by the Foundation for Science and Technology (FCT)

* CMAFcIO, Faculdade de Ciências, Universidade de Lisboa



PROGRAMA

- 15.00 **Palestras sobre matemática e património cultural**
- 15.00 **Azulejos e ciência**, *Henrique Leitão* (Universidade de Lisboa, CIUHCT)
- 15.15 **Os azulejos euclidianos jesuítas**, *António Leal Duarte* (Universidade de Coimbra) e *Carlota Simões* (Universidade de Coimbra)
- 15.30 **Relógios de Sol**, *Suzana Nápoles* (Universidade de Lisboa)
- 15.45 **Calçadas portuguesas**, *Ana Cannas da Silva* (ETH Zurich) e *Suzana Nápoles* (Universidade de Lisboa)
- 16.20 **Arquitetura e Matemática** *João Pedro Xavier* (Universidade do Porto, Faculdade de Arquitectura)
- 16.35 **A arte e a geometria de Almada Negreiros** *Pedro Jorge Freitas* (Universidade de Lisboa, DHFC e CIUHCT) e *Simão Palmeirim Costa* (Universidade de Lisboa, CIEBA)
- 16.50 **Literatura e Matemática**
António Machiavelo (Universidade do Porto)
- 17.10 **Concerto comentado—Matemática, processos composicionais e estratégias de preparação para a performance em obras para piano de Jaime Reis, João Madureira e Christopher Bochmann**, *Ana Telles* (Universidade de Évora, CESEM-UÉ)