# Thursday, 27 August

## Plenary Lectures

**9:00 – 10:00** **Auditorium Maximum H 105**

**Marcelo Viana,** IMPA, Rio de Janeiro, Brazil
*Dynamics: A Probabilistic and Geometric Perspective* *(I: p.25)*
Chair: Jacob Palis, IMPA, Rio de Janeiro, Brazil

**10:15 – 11:15** **Auditorium Maximum H 105**

**Stéphane Mallat,** École Polytechnique, CMAP, Palaiseau, France and Courant Institute, New York University, New York, USA
*Applied Mathematics Meet Signal Processing* *(I: p.13)*
Chair: David Mumford, Brown University, Providence, USA

**11:45 – 12:45** **Auditorium Maximum H 105**

**Peter Sarnak,** Princeton University, Princeton, USA
*Zeta and L-Functions* *(I: p.19)*
Chair: John Coates, University of Cambridge, Cambridge, UK

**14:00 – 15:00** **Auditorium Maximum H 105**

**Persi Diaconis,** Mathematics and ORIE, Cornell University, Ithaca, USA and Departments of Mathematics and Statistics, Stanford University, Stanford, USA
*From Shuffling Cards to Walking Around the Building* *(I: p.6)*
Chair: David Siegmund, Stanford University, Stanford, USA

## Closing Ceremony

**15:00 – 16:00** **Auditorium Maximum H 105**

Program to be announced

## Other Events

**17:30** **Urania**

**Klaus Becker,** Klieve, Germany
*Von der Steinbildhauerei zur Mathematik: Eine Annäherunng an die einbeschriebenen Kugeln regelmäßiger Polyeder* (in German)

**18:00** **Urania**

**Movie**
*Qubba for Al–Kashi / Arabesques and Geometry / Animato*

**19:30** **Urania**

**Heinz-Otto Peitgen,** Bremen, Germany
*Mathematik und Medizin — Computerunterstützung in der Leberchirurgie und Früherkennung von Brustkrebs* (in German)

**20:00** **Urania**

**VideoMath Festival**

*The "VideoMath Reel", the 24 best contributions to the VideoMath competition*