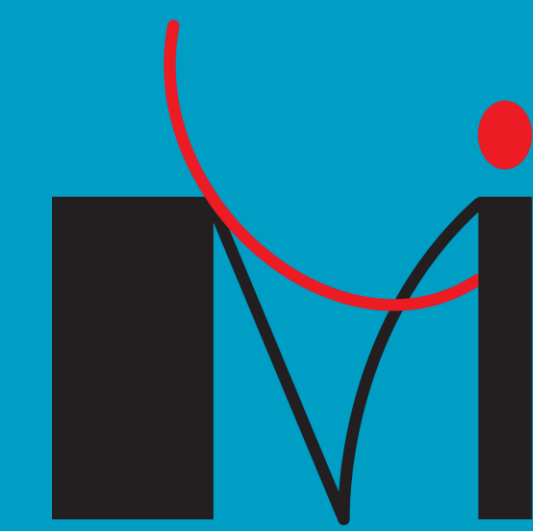


WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

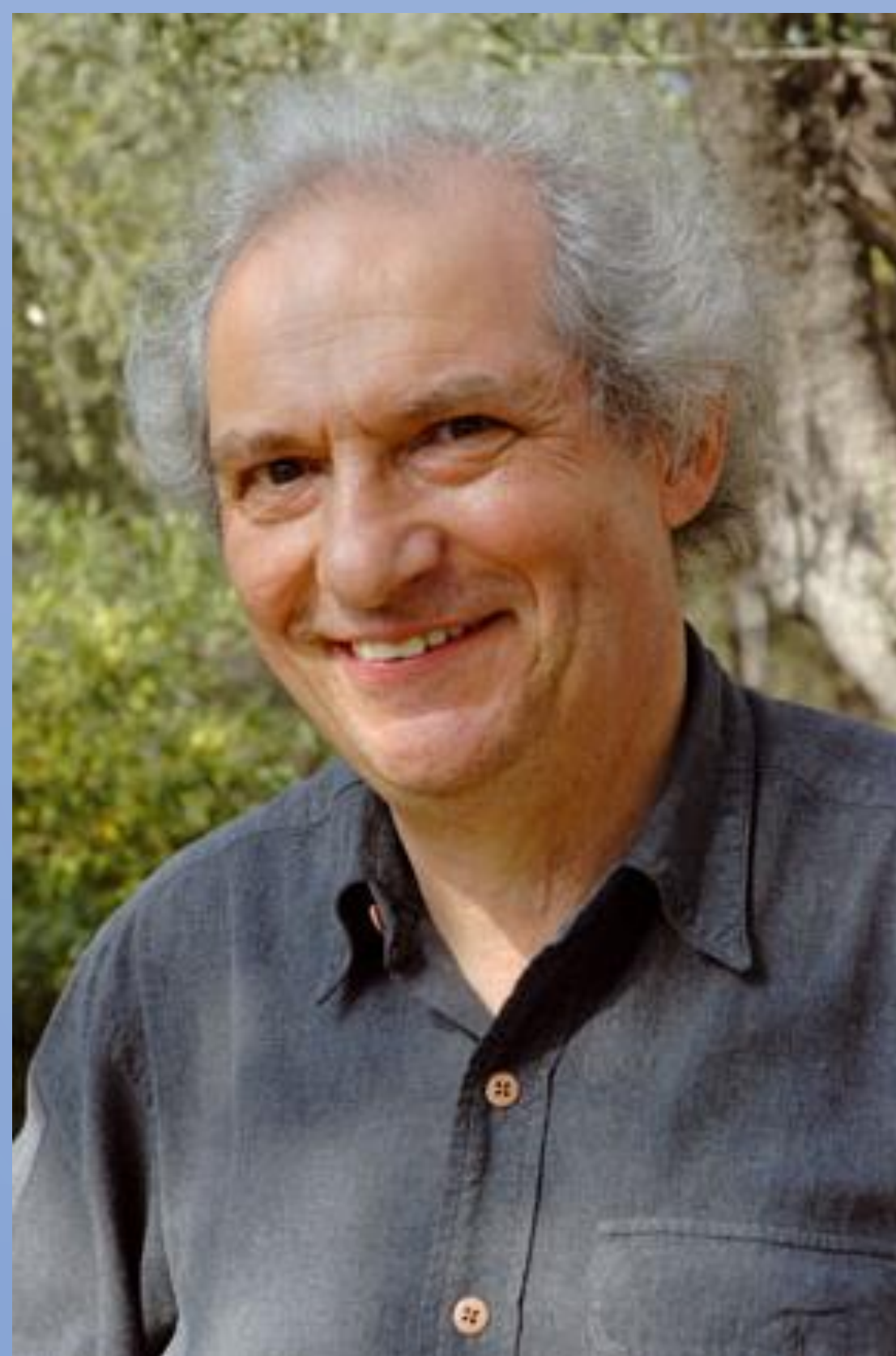


APPLIED
MATHEMATICS
MÜNSTER



Fachbereich Mathematik und Informatik der Universität Münster
<http://wwwmath.uni-muenster.de>

6. John von Neumann Lecture



Prof. Dr. Persi Diaconis Stanford University, USA Adding Numbers and shuffling cards

When numbers are added in the usual way, 'carries' occur. The distribution of carries (how many carries are typical, if we just had a carry how does that affect the next place) leads to Holte's 'Amazing Matrix'. This same matrix appears in the analysis of the usual method of shuffling cards and there the analysis of carries contributes to understanding of shuffling and vice versa. The matrix appears in the analysis of fractals, Foulkes characters and the Veronese embedding of algebraic geometry. I will try to explain all the terms above to non-specialists and indicate why they are connected.

**Mittwoch,
30.04.2014
16.30 Uhr
Hörsaal M2
Einsteinstr. 64, 48149 Münster**

Tee wird ab 16.00 Uhr im Sitzungszimmer des Fachbereichs Mathematik gereicht. Nach dem Vortrag wird zum Empfang im neuen Foyer geladen.

Organisatoren:

Prof. Dr. Dr. Joachim Cuntz, Prof. Dr. Angela Stevens, Prof. Dr. Dr. Katrin Tent