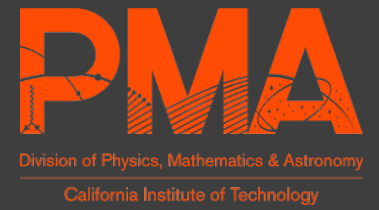The Mathematics Department of

Caltech

presents

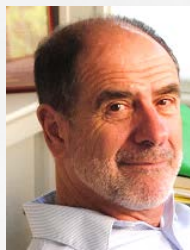# The Linde Hall Inaugural Math Symposium

Friday, February 22 - Sunday, February 24, 2019
In the Ronald and Maxine Linde Hall of Mathematics and Physics

Michael Aschbacher
Shaler Arthur Hanisch
Professor of Mathematics
Caltech

Hélène Esnault
Einstein Professor
Free University of Berlin

Benedict Gross
Professor of Mathematics
UCSD; Professor of
Mathematics Emeritus
Harvard

Ursula Hamenstädt
Professor of Mathematics
University of Bonn

Philippe Michel
Professeur Ordinaire
École Polytechnique
Fédérale de Lausanne

SCHEDULE:
Linde Hall 310

FRIDAY, FEBRUARY 22
2:00-3:00 pm
Michael Aschbacher
The finite simple groups and their classification

Tea

4:00- 5:00 pm
Benedict Gross
On the conjecture of Birch and Swinnerton-Dyer

SATURDAY, FEBRUARY 23
9:00 – 10:00 am
Ursula Hamenstädt
Amenable actions and rigidity

10:30 am – 11:30 am
Philippe Michel
L-functions, moments and subconvexity

Lunch Break

1:30 pm – 2:30 pm
Hélène Esnault
Vanishing Theorems for étale sheaves

Tea

4:30 pm – 5:30 pm
W. Hugh Woodin
Cantor's Continuum Hypothesis

SUNDAY, FEBRUARY 24
10:00 – 11:00 am
Alexei Poltoratski
Gap and Type problems in Fourier analysis
11:30 – 12:30 pm
Barry Simon
Fifty Years of the Spectral Theory of Schrödinger Operators

Alexei Poltoratski
Professor of Mathematics
Texas A&M

Barry Simon
I.B.M. Professor of
Mathematics and
Theoretical Physics
Emeritus
Caltech

Terence Tao
Professor of Mathematics
UCLA

W. Hugh Woodin
Professor of Philosophy
and Mathematics
Harvard

Organizing Committee
Dinakar Ramakrishnan (chair), Alexander Kechris, Nikolai Makarov, Xinwen Zhu
Contact: **lindemathsymp@caltech.edu**

More information: **http://pma.caltech.edu/linde-hall-inaugural-math-symposium**