

The Danish Mathematical Society



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DMF's Annual Meeting 2003

7th October, 2003
 H. C. Ørsted Instituttet, Auditorium 4
 University of Copenhagen

The Norwegian Academy of Science and Letters awarded the Abel Prize for 2003 to Jean-Pierre SERRE, Collège de France. Jean-Pierre SERRE will attend and talk at the annual meeting of the Danish Mathematical Society.

Registration

Please complete the form below to register for the meeting.

Name	<input type="text"/>
Email	<input type="text"/>
* I wish to attend the 2003 annual meeting of the Danish Mathematical Society.	
* Do you wish to take part in the dinner, at your own expense?	
<input checked="" type="radio"/> Yes	<input type="radio"/> No
Remarks	<input type="text"/>
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Program

H. C. Ørsted Instituttet, Auditorium 4

- 13.15 Opening by the chairman of the Danish Mathematical Society
Johan P. Hansen
- 13.15 **Jean-Pierre Serre**, Collège de France.
- 14.15 *Counting points modulo p on algebraic varieties*

Abstract: An introduction to counting points mod p on algebraic varieties, starting from Chasles correspondence formula, and ending up with Grothendieck and Deligne.

14.30- **Ib Madsen**, University of Aarhus

15.30 *Cohomology of the moduli space of riemann surfaces*

Abstract: The moduli space of Riemann surfaces of a given topological type F is closely related to the mapping class group of the surface F . I will explain how one can calculate the stable cohomology of the mapping class group, and in particular prove a conjecture due to D.Mumford.

15.30- Coffee break

16.00

16.00- **Henrik Schlichtkrull**, University of Copenhagen

17.00 *Fourier theory for symmetric spaces*

Abstract: A symmetric space is a homogeneous space G/H of a Lie group G with a subgroup H , which is the group of fixed points for an involution of G . I will describe some results of harmonic analysis on reductive symmetric spaces, in particular a Paley-Wiener type theorem, which describes the image by the Fourier transform of some spaces of compactly supported functions on G/H (smooth functions and generalized functions).

17.15- **Tage Bai Andersen**, University of Aarhus, and **Kjeld Bagger**

18.15 **Laursen**, University of Copenhagen

Udfordringer for matematikuddannelserne set i lyset af gymnasie- og universitetsreformer

Dinner will be arranged afterwards

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