

The European Congress of Mathematicians (ECM) is an event held once every four years and is organized by the European Mathematical Society. The conference will be held in Amsterdam in July 2008 (14-19 July). Often the organization of these ECMs is flanked by so-called 'satellite conferences' that try to take profit from the arrival of a large number of mathematicians to the location of the ECM. The proposed workshop is of this type. We intend to take profit of the expected arrival of first-class algebraic geometers to the Netherlands and we hope to organize a workshop where the Dutch algebraic geometry community can interact in a fruitful way with the international experts.

As the topic of the workshop we wish to highlight the recent most interesting and impressive developments in the field of algebraic geometry. Algebraic geometry is a very active discipline in mathematics that displays a lot of interplay with the modern developments in number theory and mathematical physics. Holland has a very strong tradition in this field and these connections are also reflected in the interests of the organizers. To be more specific, a important theme will be that of algebraic stacks, with a particular emphasis on those of curves.

The week immediately after this workshop there is a workshop on 'Geometric Langlands', also at the Lorentz Center. We expect a lot of positive effects of this conjunction and intend to take full profit by letting the arithmetic geometric side of the Langlands program be one of the themes. Some speakers could attend both workshops, or also other satellite conferences (see <http://www.5ecm.nl/> for details).

Invited speakers are:

Valery Alexeev
Katia Amerik
Arnaud Beauville
Lucia Caporaso
Helene Esnault
Carel Faber
Gerd Faltings
Gavril Farkas
Lothar Goettsche
Phillip Griffiths
Jochen Heinloth
Andrew Kresch
Gerard Laumon
Francois Loeser
Ib Madsen
James McKernan
Mihai Paun
Lorenzo Ramero
Stefan Schroeer
Sergey Shadrin
Bernd Siebert
Ravi Vakil