



# THE LEARNED SOCIETY OF WALES CYMDEITHAS DDYSGEDIG CYMRU

CELEBRATING SCHOLARSHIP AND SERVING THE NATION  
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## Frontiers

### Newton Institute 20th Anniversary Lecture

The spectral point of view on Geometry and Physics

Alain Connes

College de France, IHES and Vanderbilt

Wednesday 18 April 2012

Time: 19.15

Wallace Lecture Theatre,  
Main Building, Cardiff University

The distinguished lecture is aimed at a broad spectrum of scientists interested in the frontiers of mathematical research with applications and roots in theoretical physics and the other sciences. The Founding President of the Society, Professor Sir John Cadogan CBE FRSE PLSW FRS will take the chair. The event is open to anyone, with a wine reception from 18.30 in the Viriamu Jones Gallery. For further information and to register for the event, contact Professor David Evans FLSW, [EvansDE@cf.ac.uk](mailto:EvansDE@cf.ac.uk), Cardiff School of Mathematics. The closing date for registration is Friday, 13 April 2012.

Alain Connes received the Aimé Berthé Prize of the French Academy of Sciences, Peccot-Vimont Prize of the Collège de France, Ampère Prize of the French Academy of Sciences, Fields Medal, Crafoord Prize and the CNRS Gold Medal. He is a Member of the French Academy of Sciences and foreign member of several National Academies including the Royal Danish Academy of Sciences, the American Academy of Arts and Sciences, the Norwegian Academy of Science, the Royal Society of Canada, the National Academy of Sciences USA, the Russian Academy of Sciences.

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Frontiers is a lecture series in which distinguished academics are invited to speak about the frontiers of research and to place their own contributions in context. This joint event is funded by the Isaac Newton Institute Cambridge as part of their 20<sup>th</sup> anniversary celebrations, the Wales Institute of Mathematical and Computational Sciences, and Oxford University Press.

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