Communication networks beyond the capacity crunch

Scientific discussion meeting
Part of the Royal Society scientific programme

Organised by Professor Andrew Ellis, Professor Sir David Payne CBE FREng FRS and Professor David Saad

11 – 12 May 2015

The Royal Society
6 – 9 Carlton House Terrace,
London, SW1Y 5AG
Communication networks beyond the capacity crunch

The Royal Society scientific programme connects scientists from around the world in discussions which influence their field and inspire future research opportunities.

Synopsis
Communication networks face a potentially disastrous ‘capacity crunch’. This meeting will combine research in cutting edge information theory adapted to account for the nonlinear dynamics of optical systems, radical network architectures grounded in mathematics to enhance utilisation of the finite capacity, advanced material science to provide new tools and uniquely economic analysis to scope the urgency of the issues.

Speakers and Chairs
Professor Andrew Ellis, Professor Sir David Payne CBE FEng FRS, Professor David Saad, Professor Andrew Lord, Mr Chris Chambers, Professor Dan Kilper, Professor Robin Mansell, Professor Scott Kirkpatrick, Professor Erik Agrell, Dr René Essiambre, Professor Polina Bayvel, Professor David Richardson, Professor Gee-Kung Chang, Professor Dimitra Simeonidou, Dr John Dunne, Professor Jon Crowcroft, Dr Chih-Lin I, Dr Fatima Gunning, Professor Leandros Tassiulas.

Registration
This meeting is intended for researchers in relevant fields and is free to attend, but registration is essential.

This meeting will be followed by a focused two day satellite meeting, Communication networks beyond the capacity crunch – further discussion, held at the Royal Society at Chicheley Hall, home of the Kavlí Royal Society Centre, on 13 – 14 May 2015.

Online registration and programme information can be found at royalsociety.org/events