Hamilton Institute

Random multiple access organization in telecommunication systems with large user population

Dr Alexey Vinel

Saint-Petersburg State University of Information
Technologies, Mechanics and Optics, Russia

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Abstract

The seminar talk gives the overview of the media access control role for network communication, reference model of a random multiple access (RMA) system, instability of the RMA algorithms in the existing telecommunication systems, tree RMA algorithms as a possible solution for the instability problem, tree algorithms implementation issues and alternative proposals.

Speaker biography

Dr Alexey Vinel received his bachelor and master degrees in information systems from St.-Petersburg State University of Aerospace Instrumentation in 2003 and 2005, respectively, and his Ph.D. degree in telecommunications from Institute for Information Transmission Problems (Russian Academy of Sciences, Moscow) in 2007. During his studies, Dr. Vinel did internships at Siemens AG, Munich and at University of Wuerzburg (Germany). Now he is a senior researcher at Saint-Petersburg State University of Information Technologies, Mechanics and Optics, Russia. Dr. Vinel's research interests include random multiple access algorithms and performance evaluation of wireless networks.

Venue: Seminar Room, Hamilton Institute, Rye Hall,
        NUI Maynooth

Time: 1.30 - 2.30pm (followed by tea/coffee)

Travel directions are available at www.hamilton.ie

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