Columbia University Optics and Quantum Electronics Seminar

“Control in Quantum Coherent Systems”

Michael J. Biercuk
Director, Quantum Control Laboratory
ARC Centre for Engineered Quantum Systems
The University of Sydney

Date/Time: Friday, November 22, 2.30PM-4.00PM
Location: Sindeband East 414, CEPSR

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Bio: Dr. Michael J. Biercuk is an experimental physicist and engineer working to develop a new generation of quantum technologies with the potential to transform everything from computers to medical imaging. Michael runs the Quantum Control Laboratory in the ARC Centre for Engineered Quantum Systems at the University of Sydney, which performs experiments using trapped ions in order to study and exploit the strangest effects in quantum physics. Research results have been profiled in popular media outlets including The New York Times, The Economist, The Guardian, and many others. Michael's specific interests include robust control in quantum systems, quantum computation, quantum simulation, and precision metrology.

Michael earned his undergraduate degree in Physics from the University of Pennsylvania, and his Master's and Doctorate degrees from Harvard University. He has worked in and out of academic research, including service as a scientific consultant to DARPA, specializing in quantum information science and next-generation microprocessor architectures. Following his time in DC, Michael returned to the laboratory, working in the Ion Storage Group at NIST Boulder before moving to Sydney.
Columbia University Optics and Quantum Electronics Seminar

“Control in Quantum Coherent Systems”

Michael J. Biercuk
Director, Quantum Control Laboratory
ARC Centre for Engineered Quantum Systems
The University of Sydney

Date/Time: Friday, November 22, 2.30PM-4.00PM
Location: Sindeband East 414, CEPSR

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Hosted by Prof. K. Bergman • For further information: call 212 854 1744, bergman@ee.columbia.edu
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