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## THE ELLIOTT W. MONTROLL LECTURES

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### The University of Rochester The Department of Physics & Astronomy February 8 – 11, 2010

#### Professor Alain Aspect

Laboratoire Charles Fabry  
Institute d'Optique  
Campus Polytechnique  
Palaiseau, France



Alain Aspect is a Distinguished Senior Researcher and Head of the Atom Optics group at the CNRS Laboratoire Charles Fabry, and Professor at the Ecole Polytechnique and Institut d'Optique in Palaiseau, France. He is a member of the Academie des Sciences (France), a foreign associate of the National Academy of Sciences (USA) and a Fellow of the Optical Society of America, the American Physical Society and the European Optical Society. He is the recipient of the Senior Prize of the European Physical Society, the CNRS Gold Medal, the Humboldt-Gay Lussac Prize, The Max Born Award of the Optical Society of America, and The Holweck Prize, among others. Prof. Aspect is known for his seminal work testing the foundations of quantum mechanics, and for experiments on quantum analogues of optical phenomena in atomic systems.

#### Monday, February 8

##### Optics Colloquium

3:00 pm, Sloan Auditorium, Goergen 101

*The Hanbury Brown and Twiss Effect: From Photons to Atoms*

#### Tuesday, February 9

##### Physics and Optics Seminar

3:30 pm, Sloan Auditorium, Goergen 101

*Anderson Localization of Matter-Waves in a Controlled Disorder: A Quantum Simulator?*

##### Public Lecture

8:00 pm, Gleason 318/418

*From Einstein to Delayed Choice Experiments: Wave Particle Duality Brought to Light*

#### Wednesday, February 10

##### Physics and Astronomy Colloquium

3:45 pm, Bausch & Lomb 109

3:30 pm, tea in Bausch & Lomb Lobby

*From Bell's Inequalities to Quantum Information: A New Quantum Age?*

#### Thursday, February 11

##### Discussion Session with Physics and Optics Students

11:15 am, Goergen 109

*Co-sponsored by the Institute of Optics*