

John A. Rogers, University of Illinois at Urbana/Champaign

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University of Illinois at Urbana-Champaign
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Education:

Harvard University

Society of Fellows, Aug. 1995 – Sept. 1997.

Massachusetts Institute of Technology

Ph.D. degree in Physical Chemistry, May 1995.

S.M. degree in Physics, Febr. 1992.

S.M. degree in Chemistry, Febr. 1992.

University of Texas at Austin

B.S. degree in Physics (with Highest Honors), May 1989.

B.A. degree in Chemistry (with Highest Honors), May 1989.

Experience:

University of Illinois at Urbana/Champaign: Urbana, Illinois.

January 2003 to present

Lee J. Flory-Founder Chair Professor in Engineering, Departments of Materials Science and Engineering, Electrical and Computer Engineering, Mechanical Science and Engineering, and Chemistry -- Initiate new programs in inorganic semiconductor nanomaterials, carbon nanotubes, three dimensional and molecular scale lithographic techniques and plasmonics. Manage a large, interdisciplinary group of graduate students and postdocs with backgrounds in physics, materials science, chemistry, electrical engineering and chemical engineering. Collaborate extensively with other academic and industrial research groups.

Bell Laboratories, Lucent Technologies: Murray Hill, New Jersey.

August 2000 to January 2003

Director, Condensed Matter Physics Research -- Continued research program described below, and led the Condensed Matter Physics Research Department. Managed budgetary and hiring decisions for the department, which consisted of senior Ph.D.'s, postdocs and support staff. Established new directions for research in the chemistry and physics of soft materials for unconventional optoelectronic devices.

October 1997 to August 2000

Member of Technical Staff, Condensed Matter Physics Research -- Launched research efforts in unusual materials and fabrication techniques for electronics and photonics. Established new basic scientific understanding of these systems, and also successfully transferred several of the results into important pieces of technology. Tunable chromatic dispersion compensator fiber devices commercialized by Lucent (RightWave TDC) and processing approaches licensed to an external company for flexible displays represent two examples.

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Harvard University: Cambridge, Massachusetts.

September 1995 to August 1997

Junior Fellow of the Society of Fellows – Conducted research in soft lithography and unusual optical and MEMS devices in the laboratory of Prof. G.M. Whitesides.

Active Impulse Systems, Inc.: Natick, Massachusetts.

September 1995 to August 1998

Co-Founder and Director – Commercialized metrology tools based on picosecond laser techniques invented during my Ph.D. work at M.I.T.

Massachusetts Institute of Technology: Cambridge, Massachusetts.

September 1990 to May 1995

Research Assistant and NSF Predoctoral Fellow – Developed picosecond laser techniques for measurement of mechanical, thermal and adhesion properties of thin films.

Publications:

Over 225 papers in journals including *Science*, *Nature*, *Applied Physics Letters*, *Optics Letters*, *Nature Materials*, *Nature Nanotechnology* and many others.

Patents:

Nearly 70 patents and patent applications in areas ranging from acoustics to neural networks to nanofabrication to fiber optics and organic electronics. More than 40 of these are licensed or in active use.

Selected Honors:

Fellow of the *American Physical Society*, 2006.

Fellow of the *Materials Research Society*, 2007.

Leo Hendrik Baekeland Award, *American Chemical Society*, 2007.

Daniel Drucker Eminent Faculty Award, *University of Illinois*, 2007.

Dorn Lectureship in Materials Science, *Northwestern University*, 2007.

Selected for one of “10 Technologies that Will Change the World” by *MIT’s Technology Review* magazine, for stretchable silicon (2006) and for microfluidic photonics (2004).

Selected as One of the Top 50 Research Leaders for 2005, by *Scientific American*.

Robert B. Woodward Scholar, *Harvard University*, 2001.

R&D100 Innovation Awards from *R&D Magazine*: Tunable Chromatic Dispersion Compensator (2002) and Printed Plastic Display (2001).

Funding Profile:

Most existing projects are supported by the Department of Energy, the National Science Foundation and industrial partners. Funding from DARPA (2004-2005) seeded our initial work on flexible electronics.

Personal:

Birthdate and place: August 24, 1967 in Rolla, MO

Eagle Scout, member of Troop 301.