



## Employment

**Postdoctoral Research Fellow.** Institute for Quantitative Social Science, Harvard University and College of Computer and Information Science, Northeastern University.

Dates: 10/1/2009–present.

**Research Fellow.** Center for Cancer Systems Biology, Dana Farber Cancer Institute, Harvard University

Dates: 9/1/2007–present.

**Postdoctoral Research Associate.** Center for Complex Network Research, Department of Physics, Northeastern University.

Dates: 9/1/2007–9/31/2009.

**Postdoctoral Research Associate.** Informatics and Mathematical Modeling, Technical University of Denmark.

Dates: 2/1/2007–8/31/2007.

## Education

**Ph. D.** Technical University of Denmark.

Dissertation: *The Structure of Complex Networks*. Advisor: Lars Kai Hansen, Co-advisors: Andrew D. Jackson, Mogens Høgh Jensen. Dates: 2004–2007.

**M. Sc.**, Physics, The Niels Bohr Institute, University of Copenhagen, Denmark.

Thesis: *Complex Networks and Scientific Excellence*. Advisor: Benny Lautrup. Dates: 2000–2003.

**B. Sc.**, Physics, The Niels Bohr Institute, University of Copenhagen, Denmark.

Thesis: *Fighting Entanglement with Entanglement*. Advisor: Benny Lautrup. Dates: 1997–2000.

## Conferences/Talks

### 2009

Engaging Data: First International Forum on the Application and Management of Personal Electronic Information

– Dates: October 12-13, 2009. Massachusetts Institute of Technology Cambridge, MA.

Transparent Text Symposium.

– Title: *Twittermood*. Dates: September 21-22, 2009. IBM Center for Social Software, Cambridge MA.

Center for Cancer Systems Biology Retreat.

– Title: *Link clustering reveals multi-scale structural complexity in networks*. Dates: July 20-22, 2009. Annisquam, Massachusetts, USA.

EMMDS: European Workshop on Challenges in Modern Massive Data Sets.

– Title: *Connections Matter. Communities of Links in Complex Network*. Date: July 4, 2009. Copenhagen, Denmark.

NetSci09: International Workshop and Conference on Network Science.

– Title: *Link clustering using partition density*. Dates: June 29-July 3, 2009. Venice, Italy.



## 2009 (Continued)

CAIDA. University of California, San Diego. Invited seminar talk.

– Title: *Connections matter. Link-communities in complex networks*. Date: April 10, 2009. San Diego, California, USA.

NSF Workshop: Opportunities and Challenges in Uncertainty Quantification for Complex Interacting systems.

– Session Moderator. Dates: April 12-14, 2009, University of Southern California, California, USA.

Santa Fe Institute. Invited seminar talk.

– Title: *Connections matter. Communities of links in complex networks*. Dates: January 19-23, 2009. New Mexico, USA.

## 2008

NIPS Conference (Stochastic Models of Behavior Workshop).

– Title: *Human Activity Patterns*. Dates: December 10-14, 2008. Vancouver/Whistler, Canada.

JointNet Seminar, Boston University & Center for Complex Network Research.

– Title: *A quantitative analysis of measures of scientific quality*. Date: December 4, 2008. Boston, Massachusetts, USA.

Tenth Annual Greater Boston Area Statistical Mechanics Meeting.

– Title: *Communities in bipartite networks*. Date: October 18, 2008. Brandeis University, Massachusetts, USA.

Networks, Complexity and Economic Development. Guest Lecturer.

– Title: *Community Detection*. Date: October 7, 2008. Harvard Kennedy School, Cambridge, Massachusetts, USA.

Center for Cancer Systems Biology Retreat.

– Title: *Bipartite networks: Why biologists should care*. Dates: June 30-July 1, 2008. Annisquam, Massachusetts, USA.

NetSci08: International Workshop and Conference on Network Science.

– Title: *Bi-clique Communities*. Dates: June 23-27, 2008. Norwich, UK.

JointNet Seminar, Boston University & Center for Complex Network Research.

– Title: *Synchronized Communities in Social Networks*. Date: June 12, 2008. Boston, Massachusetts, USA

## 2007

98th Statistical Mechanics Conference. (Rutgers University)

– Title: *Bi-clique Communities*. Dates: December 16-18, 2007. New Brunswick, New Jersey, USA.

FishNet Meeting. Invited talk.

– Title: *Endimensionale kvalitetsmål*. Date: June 22, 2007. Tune Kursuscenter. Denmark.

Third Intelligent Sound Workshop.

– Title: *Networks and Musical Genres*. Dates: May 21-23, 2007. Karlslunde Strand, Denmark.

Sixth Annual General Meeting of the European Association of Science Editors.

– Title: *Measures for measures: On the way to a career forecast?*. Date: May 14, 2007. Barcelona, Spain.

Center for Complex Network Research, University of Notre Dame. Invited seminar talk.

– Title: *Measures for measures*. Date: February 22, 2007. South Bend, Indiana, USA.

Evolution of Molecular Networks, Kavli Institute of Theoretical Physics.

– Dates: January 16-April 13, 2007. U.C. Santa Barbara, California, USA.

## 2006

BioComplexity Group Meeting. Invited seminar talk.

– Title: *Measures for Measures. Scientific papers, networks, and all that*. Date: November 15, 2006. Niels Bohr Institute, Copenhagen, Denmark.

## 2005

Institute for Theoretical Physics, Lund University. Invited seminar talk.

– Title: *Segmentation and Tracking in Biological Systems*. Date: October 10, 2005. Lund, Sweden.

Inaugural Workshop for Intelligent Sound Project.

– Title: *Social Network Models*. Date: August 15-18, 2005. Korsør, Denmark.

SIAM International Conference on Data Mining

– Title: *Live and Dead Nodes*. Date: April 21-23, 2005. Newport Beach, California, USA.



**2004**

BioComplexity Meeting, Niels Bohr Institute.

– Title: *Life, Death, and Bayesian Statistics: A networked perspective*. Date: October 10, 2004. Niels Bohr Institute, Copenhagen, Denmark.

Bi-Annual CISP Workshop.

– Title: *Social network modeling*. Dates: May 24-27, 2004. Copenhagen, Denmark.



## Stipends/Honors/Visits/etc

- Member of program committee, *Self-organizing Complex Systems* track of ACM Symposium on Applied Computing, Sierre, Switzerland, March 21–26, 2010.
- The Danish Natural Science Research Council Stipend, 2007–2009.
- Best poster award (with M. Schich and J. Park), International Workshop on Challenges and Visions in the Social Sciences at ETH, Zurich, Switzerland, 2008.
- Reviewer for the NSF (National Science Foundation), USA.
- Reviewer for *Proceedings of the National Academy of Sciences, USA, New Journal of Physics, Neurocomputing, Algorithms for Molecular Biology, Physica A, Journal of the American Society for Information Science and Technology*.
- Visiting Scholar, Santa Fe Institute, NM (w. Nathan Eagle), Jan 2009.
- Visiting Scholar, U.C. Berkeley, CA (w. Lek-Heng Lim), Jan 2008.
- Visiting Scholar, Kavli Institute of Theoretical Physics, U.C. Santa Barbara, CA (w. Boris Shraiman). Several visits: Jan–Jun 2005, Feb 2006, Apr 2007.
- The Knud Højgaard Foundation (Travel Stipend), 2005.
- The Oticon Foundation (Travel Stipend), 2005.
- The Otto Mønsted Foundation (Travel Stipend), 2005.
- Frederikke Lørup f. Helms Mindelegat (Stipend awarded for academic excellence), 2002.

## Personal References

### Professor **Albert-Laszlo Barabasi**

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Email: barabasi@gmail.com.

### Professor **David Lazer**

Political Science and Computer Science Northeastern University, Boston, MA 02115 & Director, Program on Networked Governance, Harvard Kennedy School, Harvard University, Cambridge, MA 02138.  
Email: davelazer@gmail.com.

### Professor **Lars Kai Hansen**

Informatics and Mathematical Modeling, Technical University of Denmark. DK-2800 Kgs. Lyngby, Denmark.  
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### Professor **Andrew D. Jackson**

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Email: jackson@nbi.dk.