Matthieu Bloch
Associate Professor
School of Electrical and Computer Engineering
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I. Earned Degrees

2008  **Georgia Institute of Technology**, Atlanta, GA
Ph.D. in Electrical and Computer Engineering
Dissertation Title: *Physical-Layer Security*

2006  **Université de Franche-Comté**, Besançon, France
Ph.D. in Engineering Sciences
Dissertation Title: *Reconciliation Algorithm and Quantum Key Distribution Methods Adapted for the Frequency Domain*

2003  **Georgia Institute of Technology**, Atlanta, GA
M.S. in Electrical and Computer Engineering

2003  **Supélec**, Gif-sur-Yvette, France
Diplôme d’Ingénieur (Engineering Degree)

II. Employment

2015-Present  **Georgia Institute of Technology**, Atlanta, GA
Associate Professor

2013-2015  **Georgia Institute of Technology**, Atlanta, GA
Assistant Professor

2009-2013  **Georgia Institute of Technology**, Georgia Tech Lorraine, Metz, France
Assistant Professor

2008-2009  **University of Notre Dame**, Notre Dame, IN
Postdoctoral Research Associate

2006-2008  **Georgia Institute of Technology**, Atlanta, GA
Graduate Research Assistant

2004-2005  **Georgia Institute of Technology - Lorraine**, Metz, France
Graduate Research Assistant

III. Scholarly Accomplishments

(Boldfaced name indicates students advised by Matthieu Bloch).

III.A. Published Books and Parts of Books

III.A.1. Books


III.A.2. Refereed Book Chapters

No data available.

III.A.3. Other Parts of Books


III.A.4. Edited Volumes
III.B. Refereed Publications

III.B.1. Published and Accepted Journal Articles


III.B.2. Conference Presentation with Proceedings (Refereed)


III.B.3. Other Refereed Material

No data available.

III.B.4. Submitted Journal Articles


III.C. Other Publications

III.B.5. Submitted Conference Proceedings Papers

No data available.

III.D. Presentations

III.D.1 Invited talks


III.D.2 Keynote Presentations


III.D.3 Conference Presentations with Non-Refereed Proceedings


III.D.4 Conference Presentations without Proceedings


III.D.5 Seminar Presentations


III.E. Other Scholarly Accomplishments


V. Service

Editorial work

Lead Guest Editor for Special Issue of Journal of Communications and Networks on Physical Layer Security (2012)
Associate Editor for Shannon Theory of IEEE Transactions on Information Theory (2016-present, 11 papers)
Editor for ELSEVIER Physical Communication (2012-2015, 4 papers)

Journal referee

IEEE Transactions on Information Theory (2007-present, 29 papers)
IEEE Transactions on Wireless Communications (2010-present, 19 papers)
IEEE Transactions on Communications (2010-present, 17 papers)
IEEE Communications Letters (2007-present, 16 papers)
IEEE Transactions on Info. Forensics and Security (2009-present, 14 papers)
IEEE Transactions on Signal Processing (2009-present, 7 papers)
IEEE Journal of Selected Areas in Communications (2012-present, 6 papers)
IEEE Wireless Communications Letters (2014-present, 7 papers)
IEEE Transactions on Vehicular Technology (2009-present, 5 papers)
IEEE Signal Processing Letters (2009-present, 5 papers)
IEEE Communications Magazine 2014, 4 papers)
Proceedings of IEEE (2015-present, 4 papers)
IEEE Journal of Selected Topics in Quantum Electronics (2009, 1 paper)
ELSEVIER Optics Communications (2009-present, 2 papers)
IEICE Fundamentals of Communications (2016-present, 2 papers)
ELSEVIER PHYCOM: Physical Communication (2008, 1 paper)
EURASIP Journal on Wireless Comm. and Networking (2009, 1 paper)
European Transactions on Communications (2011, 1 paper)
Springer Journal of Computer Science and Technology (2012, 1 paper)
International Journal for Light and Electron Optics (2016, 1 paper)
International Journal of Information and Coding Theory (2014, 1 paper)
Conference referee
IEEE International Symposium on Information Theory (ISIT)
IEEE Information Theory Workshop (ITW)
IEEE International Conference on Communications (ICC)
IEEE International Conference on Circuits and Systems for Comm. (ICCSC)
IEEE Wireless Communications and Networking Conference (WCNC)
IEEE Global Communications (GLOBECOM)
IEEE International Workshop on Information Forensics and Security (WIFS)
IEEE Workshop on Signal Processing and Wireless Communications (SPAWC)
Eurocrypt

Conference committee
Publicity chair 2008 Information Theory Workshop, Porto, Portugal
Web chair 2010 School for Information Theory, Northwestern, IL, USA
Web chair 2011 School for Information Theory, UT Austin, TX, USA
Co-Chair ICC 2011 Workshop on Physical-Layer Security
Technical Program Committee 2011 IEEE Information Theory Workshop
Technical Program Committee 2012 IEEE International Conf. on Comm.
Finance Chair 2013 Communication Theory Workshop
Workshop Chair 2013 Globecom
Technical Program Committee 2013 IEEE Information Theory Workshop
Technical Program Committee 2013 IEEE GlobalSIP Conference
Technical Program Committee 2013 International Conference on Information Theoretic Security
Technical Program Committee 2014 IEEE Int. Symp. on Info. Theory
Technical Program Committee 2014 IEEE Information Theory Workshop
Technical Program Committee 2014 Workshop on Trusted Communications with Physical Layer Security, at Globecom 2014
Technical Program Committee 2015 IEEE Int. Symp. on Info. Theory
Technical Program Committee 2016 IEEE Int. Symp. on Info. Theory
Technical Program Committee 2016 IEEE Information Theory Workshop
Technical Program Committee WCNC’2016 Workshop on Physical-Layer Security
Technical Program Committee 2017 IEEE Int. Symp. on Info. Theory
Technical Program Committee 2017 IEEE International Conf. on Comm.

Professional societies
Chair Online Committee IEEE Information Theory Society (2011-2015)
Board of Governors IEEE Information Theory Society (2016-2018)

Others
Reviewer and Panelist for National Science Foundation (NSF)
Reviewer for Air Force Office of Scientific Research
Reviewer for Army Research Office
Reviewer for French National Research Agency (ANR)
Reviewer for Belgium Fund for Scientific Research (FNRS)
Reviewer for Natural Sciences and Engineering Research Council of Canada
Reviewer for Fonds de recherche du Québec – Nature et technologies
Reviewer for Research Grant Council of Hong Kong
Reviewer for Israel Science Foundation (ISF)
V. Honors and Awards


- 2012 Class of 1934 Course Survey Teaching Effectiveness Award from the Center for the Enhancement of Teaching and Learning.

- 2012 Class of 1969 Teaching Fellow from the Center for the Enhancement of Teaching and Learning.