



## Marc A. Zissman, Ph.D.

Associate Head, Cyber Security and Information Sciences Division  
Massachusetts Institute of Technology Lincoln Laboratory

### EXPERTISE

Human Language

Technology and  
Speech, Speaker  
and Language  
Recognition

Networking and  
Communications

Tactical  
Networking on the  
Move

Cyber Security

Quantitative Test  
and Evaluation  
of Systems and  
Technology

### EXPERIENCE

Dr. Marc A. Zissman is Associate Head of the Cyber Security and Information Sciences Division, Massachusetts Institute of Technology (MIT) Lincoln Laboratory. He joined the Laboratory in 1983. His early research focused on digital speech processing including parallel computing for speech coding and recognition, co-channel talker interference suppression, language and dialect identification, and cochlear-implant processing for the profoundly deaf. After working for one year in the Department of Defense (DoD) under the Inter-governmental Personnel Act (IPA) program, he expanded his research interests to include cybersecurity technology. He served in a series of laboratory leadership roles including Associate Leader of the Human Language Technology Group, Leader of the Wideband Tactical Networking Group, and Assistant Head of the Communication Systems and Cyber Security Division. Most recently, he had responsibility for developing and executing a strategic plan for growing the Laboratory's cyber security research, development, evaluation and technology transfer efforts.

In addition to his work at Lincoln, Dr. Zissman served for four years as a U.S. technical specialist to the NATO IST-011/TG-001 task group which studies military applications of speech technology for NATO. He was elected to, and served for, four years on the Speech Processing Technical Committee of the Institute of Electrical and Electronics Engineers (IEEE) Signal Processing Society. He also served for four years on the Defense Advanced Research Projects Agency (DARPA) Information Science and Technology Study Group. He was part of the U.S. Southern Command (USSOUTHCOM) and Joint Task Force-HAITI team that responded to the January 2010 earthquake in Haiti.

Since 2011, he has been serving as a member of the Army Science Board. He chaired/co-chaired a number of studies to include "The Future of Telemetry," "The Military Benefits and Risks of the Internet of Things," and "Dense Urban Operations." In 2019, he co-chaired, "Battlefield Uses of Artificial Intelligence."

### EDUCATION

Massachusetts Institute of Technology, Electrical Engineering, Ph.D., 1990  
Massachusetts Institute of Technology, Electrical Engineering, S.M., 1986  
Massachusetts Institute of Technology, Electrical Engineering, S.B., 1986  
Massachusetts Institute of Technology, Computer Science, S.B., 1985