



COMPLEX SYSTEMS SYMPOSIUM

Engineering Cooperative Networks

SYMPOSIUM ORGANIZERS

REZA OLFATI-SABER
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GEORGE CYBENKO
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THAYER SCHOOL OF ENGINEERING AT DARTMOUTH
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Hanover, NH 03755

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FRIDAY
NOVEMBER 6
2009

Spanos Auditorium
Cummings Hall



THAYER SCHOOL OF
ENGINEERING
AT DARTMOUTH

PROGRAM

COMPLEX SYSTEMS consist of large numbers of interacting cyber, mechanical, and human entities or “agents.” This symposium explores issues in complex systems that have societal impact.

WELCOME & Opening Remarks

CHECK-IN AND COFFEE
9:00–9:45 a.m.

OPENING REMARKS
9:45–10 a.m. REZA OLFATI-SABER, Assistant Professor, Thayer School of Engineering

SESSION 1 Networked Complex Systems

KEYNOTE SPEECH
10–10:45 a.m. “USING THE WEB TO STUDY SOCIAL NETWORKS”
DUNCAN WATTS, Principle Research Scientist at Yahoo Research

COFFEE BREAK
10:45–11 a.m.

SESSION 1 PANEL
11:00 a.m.–12:15 p.m.

MODERATOR REZA OLFATI-SABER, Assistant Professor, Thayer School of Engineering

PANELISTS Each panelist other than keynote speaker makes 15-minute opening remark

DENISE ANTHONY, Associate Professor, Department of Sociology,
Dartmouth College

DAVID KOTZ, Professor of Computer Science, Dartmouth College

EUGENE SANTOS JR., Professor of Engineering, Thayer School of Engineering

DUNCAN WATTS, Principle Research Scientist, Yahoo Research

LUNCH BREAK (on your own)
12:15–1:45

SESSION 2 Security

KEYNOTE SPEECH
1:45–2:30 p.m. “COMMERCIALIZING COMPLEX SYSTEMS IN THE MARKETPLACE”
GEORGE CONRADES, Executive Chairman, Akamai Technologies

COFFEE BREAK
2:30–2:45 p.m.

SESSION 2 PANEL
2:45–4:15 p.m.

MODERATOR GEORGE CYBENKO, Dorothy and Walter Gramm Professor of Engineering,
Thayer School of Engineering

PANELISTS Each panelist other than keynote speaker makes 15-minute opening remark
GEORGE CONRADES, Executive Chairman, Akamai Technologies

ANDY ELLIS, Senior Director of Information Security & Chief Security Architect,
Akamai Technologies

PHIL VENABLES, Managing Director & Chief Information Security Officer,
Goldman Sachs

COFFEE BREAK
4:15–4:30 p.m.

SESSION 3 eCommerce

KEYNOTE SPEECH
4:30–5:15 p.m. “THE ROLE OF INFORMATION TECHNOLOGY AND SCIENCE IN BUSINESS, FROM DESIGN TO MANAGEMENT, OPERATIONS, AND SCHEDULING ISSUES.”
JOHN DONAHOE, CEO, eBay

SESSION 3 PANEL
5:15–6:30 p.m.

MODERATOR ROBERT GRAVES, John H. Krehbiel Sr. Professor for Emerging Technologies,
Thayer School of Engineering & Adjunct Professor, Tuck School of Business

PANELISTS Each panelist other than keynote speaker makes 15-minute opening remark
JOHN DONAHOE, CEO, eBay

SOREN MILLS, Former VP Global eCommerce, WalMart

SATIN MIRCHANDANI, Former CEO and Founder of MessageOne (now owned by Dell)

CLOSING REMARKS
6:30–6:35 p.m.