Day 1 AGENDA
(Recorded)

Date: Thursday, October 19, 2023

Time: 12:30 p.m. – 7:00 p.m.
Registration: 12:30 p.m. – 1:00 p.m.
Program: 1:00 p.m. – 6:00 p.m.
Reception: 6:00 p.m. – 7:00 p.m.

Format: Hybrid

Event Location: Kimpton The Forum Hotel
540 Massie Road, Charlottesville, VA 22903. 434-365-2590
Program Room: Grove Ballroom III (1st Floor)
Prefunction Location: Grove III Prefunction, Level 1

Prefunction Grove III (far end-straight ahead).
Logistic Team Members will guide all guests.

Light Refreshments, Registration
12:30 pm – 1:00 pm
Grove III Prefunction, Level 1
Please sign our guestbook and pick up your nametag.
DAY 1 AGENDA
(Recorded)
Grove Ballroom III, Level 1

1:00 pm – 1:10 pm
Welcome and Overview of the Day
Lona Doyle, Academic Program Coordinator (MC)
Biocomplexity Institute, University of Virginia

Remarks, Introduction of Keynote
Madhav Marathe, Division Director of Network Systems Science and Advanced Computing (NSSAC)
Distinguished Professor in Biocomplexity, Biocomplexity Institute
Professor of Computer Science, School of Engineering and Applied Science, University of Virginia

1:10 pm – 2:00 pm
Keynote Speaker: Ken Ono
STEM Advisor to the Provost, and Marvin Rosenblum Professor of Mathematics at the University of Virginia
Talk Title: My inspired journey through the web of mathematics

2:00 pm – 2:10 pm
Introduction Movie Clip 1: Simulation Science & the Understanding of Large Socio-Technical Systems
Lona Doyle

2:10 pm – 2:15 pm
Break

2:15 pm – 2:45 pm
Remarks by Chris Barrett
Executive Director
Distinguished Professor in Biocomplexity, Biocomplexity Institute
Professor of Computer Science, School of Engineering and Applied Science, University of Virginia

2:45 pm – 3:30 pm
Remarks by Special Guests
Dr. Jim Bohland (Zoom)
Professor Emeritus at Virginia Tech, Former Vice President and Executive Director, National Capital Region Operations
Dr. Bruno Sobral
Professor of Biostatistics & Informatics, Colorado School of Public Health, Professor of Microbiology, Colorado State University, and a core faculty member in the School of Global Environmental Sustainability at Colorado State University
Dr. Reinhard Laubenbacher
Professor, Department of Medicine, Division of Pulmonary, Critical Care, and Sleep Medicine, Director, Laboratory for Systems Medicine, University of Florida
Dr. Gabriel Istrate (Zoom)
Professor, Faculty of Mathematics and Computer Science, University of Bucharest
Dr. Dirk Helbing (Zoom)
Professor of Computational Social Science, Department of Humanities, Social and Political Sciences at ETH Zurich, an affiliate of the Computer Science Department, and member of the Complexity Science Hub Vienna
3:30 pm – 4:00 pm
Remarks by Biocomplexity Institute Leadership:
Stephen Eubank, Professor, Biocomplexity Institute, Professor of Public Health Sciences, School of Medicine, University of Virginia.
Stephanie Shipp, Acting Division Director, Social and Decision Analytics (SDAD) Research Professor, Biocomplexity Institute, University of Virginia
Christian Reidys, Division Director, Mathematical Biocomplexity, Biocomplexity Institute Professor of Mathematics, College of Arts and Sciences, University of Virginia
Madhav Marathe, Division Director, Network Systems Science and Advanced Computing (NSSAC) Distinguished Professor in Biocomplexity, Biocomplexity Institute Professor of Computer Science, School of Engineering and Applied Science

4:00 pm – 4:15 pm
Break
Grove Ill Prefunction, Level 1

4:15 pm – 4:30 pm
Welcome Back/Introduce Movie Clip 2: TRANSIMS
Lona Doyle

4:30 pm – 5:00 pm
Remarks by Chris Barrett

5:00 pm – 5:45 pm
Remarks by Special Guests
Dr. Irene Eckstrand
Consultant on Training and Research Programs, Former Program Officer, National Institute of General Medical Sciences, NIH
Dr. Richard Beckman (Zoom)
Former group leader, statistics group, Los Alamos National Laboratory
Dr. Craig Benson (Zoom)
Wisconsin Distinguished Professor Emeritus, University of Wisconsin-Madison Dean of Engineering Emeritus, University of Virginia
Professor Emeritus, Civil and Environmental Engineering, School of Engineering and Applied Science, University of Virginia
Dr. Keith Bissett (Zoom)
Senior Software Engineer at Apple
Dr. Bryan Lewis
Research Associate Professor, Biocomplexity Institute, University of Virginia
Dr. Achla Marathe
Professor, Biocomplexity Institute, Professor of Public Health Sciences, School of Medicine, University of Virginia
Dr. Henning Mortveit
Associate Professor, Biocomplexity Institute, Associate Professor of Engineering Systems and Environment, School of Engineering and Applied Science, University of Virginia
Dr. Anil Vullikanti
Professor, Biocomplexity Institute, Professor of Computer Science, School of Engineering and Applied Science, University of Virginia
5:45 pm – 6:00 pm
Closing Remarks
Madhav Marathe/Chris Barrett

6:00 pm – 7:00 pm
Reception
Terrace
Grove III Prefunction, Level 1 (if bad weather)

Day 2 AGENDA
(Recorded)
TCIV Conference Room, 1st Floor

Date: Friday, October 20, 2023

Time: 9:30 a.m. – 3:00 p.m.
Format: In-Person
Location: NorthFork-UVA Discovery Park,
994 Research Park Blvd./TCIV, First Floor Conference Room.

9:30 am – 10:00 am
Registration, Light Refreshments
Please pick up your nametags. We will also give you your table number for group discussions to be held after lunch.

10:00 am – 10:05 am
Welcome
Lona Doyle

10:05 am – 10:30 am
Remarks by Chris Barrett
Chris Barrett

10:30 am -11:00 am
Future Thematic Lines
Stephanie Shipp, Acting Division Director, Social and Decision Analytics (SDAD)
Research Professor, Biocomplexity Institute, University of Virginia
Christian Reidys, Division Director, Mathematical Biocomplexity, Biocomplexity Institute
Professor of Mathematics, College of Arts and Sciences, University of Virginia
Madhav Marathe, Division Director, Network Systems Science and Advanced Computing (NSSAC)
Distinguished Professor in Biocomplexity, Biocomplexity Institute
Professor of Computer Science, School of Engineering and Applied Science

11:00 am – 12:00 pm (includes Q&A)
Keynote Speaker: Andrés Clarens
Professor, Civil and Environmental Engineering and Associate Director, UVA Environmental Institute,
University of Virginia
Talk Title: The Biocomplexity of Deep Decarbonization.
12:00 pm – 1:00 pm
Lunch (Buffet Style)

1:00 pm – 2:00 pm
Facilitated Small Group Discussions
(5 min) Explanation of the session from the program committee
(55 min) 10 tables discussing 5 topics (2 tables per topic)

2:00 pm – 2:15 pm
Coffee Break

2:15 pm – 2:45 pm
Discussion Summaries
Facilitators/Postdocs Summarize Findings

2:45 pm – 3:00 pm
Closing Remarks
Lona Doyle