



COMPLEXITY  
SCIENCE  
HUB  
VIENNA

# VISIONS FOR COMPLEXITY

OPENING CONFERENCE OF THE  
COMPLEXITY SCIENCE HUB VIENNA  
MAY 23, 2016, 9 AM – 5 PM

PALAIS STROZZI  
JOSEFSTÄDTER STRASSE 39  
A 1080 VIENNA

## **ABOUT THE CONFERENCE**

On May 23, the new location of the Complexity Science Hub Vienna at the Palais Strozzi will be inaugurated with the conference “Visions for Complexity”. Thirty-five internationally acclaimed scientists will share their vision for complexity science in the next decade, how complexity science and big data science could help society to tackle the grand challenges, and how the new hub in Vienna might be a beneficial facilitator on this path.

In the evening, we will celebrate with our founding fathers & mothers, thank our supporters and provide you with our vision for complexity. We look forward to welcoming you on this occasion.

## **ABOUT THE COMPLEXITY SCIENCE HUB VIENNA**

The objective of CSH is to host, educate, and inspire complex systems scientists who are dedicated to collect, handle, aggregate, and make sense of big data in ways that are directly valuable for science and society. Focus areas include smart cities, innovation dynamics, medical, social, ecological, and economic systems. CSH is a joint initiative of AIT Austrian Institute of Technology, IIASA International Institute for Applied Systems Analysis, Medical University of Vienna, Vienna University of Technology, Graz University of Technology, and Vienna University of Economics and Business.

## TIMELINE

08:30-09:00 Registration & Coffee

09:00-09:15 Welcome

09:15-10:30 Session 1: Visions for Complexity

**DAVID KRAKAUER**, President, Santa Fe Institute

**IMRE KONDOR**, Corvinus University, Budapest; Parmenides Foundation, Munich

**LUCIANO PIETRONERO**, Sapienza University, Rome

**MATJAZ PERC**, Director, Complex Systems Center Maribor; University of Maribor

**HENRIK JELDTOFT JENSEN**, Imperial College London

**KIM SNEPPEN**, Director, Center for Models of Life, Niels Bohr Institute, University of Copenhagen

**HYEJIN YOUN**, Institute for New Economic Thinking, Oxford University

**FRANCOIS TADDEI**, Director, Center for Research and Interdisciplinarity, Paris

**FRANK SCHWEITZER**, ETH Zurich

10:30-11:00 Coffee Break

11:00-12:30 Session 2: Visions for Complexity

**YAMIR MORENO**, Head of the Complex Systems and Networks Lab COSNET; University of Zaragoza

**GUIDO CALDARELLI**, IMT Institute for Advanced Studies, Lucca; LIMS fellow

**GERHARD SCHMITT**, ETH Zurich; ETH Zurich Senior Vice President for ETH Global

**ALBERT DIAZ-GUILERA**, President, complexitat.cat, Universitat de Barcelona

**KAROLINE WIESNER**, Co-director, Bristol Center for Complexity Sciences, University of Bristol

**MANFRED LAUBICHLER**, Arizona State University; Santa Fe Institute

**PETER M.A. SLOOT**, Co-director, Complexity Institute, NTU Singapore; University of Amsterdam; ITMO, St. Petersburg

**STEPHEN GUERIN**, Founder & CEO, Simtable LLC; Santa Fe Institute

**STUART KAUFFMAN**, The Institute for Systems Biology, Seattle

**VITO LATORA**, Queen Mary University of London

12:30-14:00 Lunch

14:00-15:30 Session 3: Visions for Complexity

**SIMON DEDEO**, Indiana University; Santa Fe Institute

**TIZIANA DI MATTEO**, King's College London

**MAXI SAN MIGUEL**, Director, IFISC, Palma de Mallorca; University of the Balearic Islands

**PAUL BOURGINE**, French National Centre for Scientific Research CNRS

**JAN WOUTER VASBINDER**, Director, Para Limes, NTU Singapore

**BOSILJKA TADIC**, Jozef Stefan Institute, Ljubljana

**GEOFFREY WEST**, Past President, Santa Fe Institute

**STEPHEN LANSING**, Co-director, Complexity Institute, NTU Singapore; Santa Fe Institute

**ROSARIO MANTEGNA**, Central European University, Budapest; Palermo University

**PETER SCHUSTER**, University of Vienna

15:30-16:00 Coffee Break

16:00-17:00 Session 4: Visions for Complexity

**MARKUS SCHLÄPFER**, ETH Future Cities Laboratory, Singapore

**VITTORIO LORETO**, Sapienza University, Rome; ISI Foundation

**HELGA NOWOTNY**, ETH Zurich; former President, European Research Council

**BERTIL ANDERSSON**, President, NTU Singapore

**RENAUD LAMBIOTTE**, Director, Namur Center for Complex Systems; University of Namur

**STEFAN THURNER**, President, Complexity Science Hub Vienna; Medical University of Vienna; IIASA; Santa Fe Institute

17:00 End of Conference

19:00-22:00 Opening Party