PRESS RELEASE
20 April 2017

4.0 – HOW TWO NUMERICS AND A DOT CHANGE OUR LIVES

On 8–9 May, the Complexity Science Hub Vienna (CSH) will gather top researchers from around the world on the topic of "Re-inventing Society in the Digital Age" in Vienna. Under the direction of Dirk Helbing (ETH Zurich / External Faculty of CSH) and Stefan Thurner (CSH / MUV / IIASA / Santa Fe Institute), they will shed light on the impact of digital technology on the individual areas of our daily lives and attempt to sketch out the first outlines of a Society 4.0. On 9 May, the workshop will be opened to a broader public with exciting presentations and a closing panel discussion.

The digital revolution will leave no one untouched. Digital technologies will fundamentally change the area of services and product portfolios. Entire business models and economic sectors, institutions and even our living together as a society will change – completely new ecosystems will emerge. Even if Industry 4.0 may initially come to mind when one considers the concept of "digital revolution", this does not go far enough, and the end of the development is still far from being reached: what it will take is Education 4.0, Mobility 4.0, Health Systems 4.0, Science 4.0, Innovation 4.0, Finance 4.0, Sustainability 4.0, Governments 4.0. In short, an overall, comprehensive Society 4.0.

How exactly the digital future of our society could and should look like and how we can make it there are only a few of the questions that will be posed and discussed in the two-day workshop at the Complexity Science Hub Vienna.

I will be happy to organize background discussions and/or further information / photos / diagrams for representatives of the media.

The workshop "Re-inventing Society in the Digital Age" will take place under the direction of Dirk Helbing (ETH Zurich and External Fellow of Complexity Science Hub Vienna) and Stefan Thurner (Complexity Science Hub Vienna / Medical University of Vienna / IIASA / Santa Fe Institute).

Current status of participants as of 20 April 2017:

Karl Aberer, EPFL Lausanne

Virginia Dignum, Delft University of Technology

Alois Ferscha, JKU Linz

David Garcia, CSH - Group Leader (from September 2017 on) Group Leader/ETH Zurich

Dirk Helbing, ETH Zurich/CSH – External Faculty

Kaj-Kolja Kleineberg, ETH Zurich

Stefan Klauser, ETH Zurich

Peter Klimek, CSH – Associate Faculty/Medical University of Vienna

Vittorio Loreto, Sapienza/CSH - Faculty

Paul Lukovicz, Technical University Kaiserslautern

Heinrich Nax, ETH Zurich

Helga Nowotny, ETH Zurich/CSH – Chairwoman of the Science Advisory Board

Sebastian Poledna, IIASA

Evangelous Pournaras, ETH Zurich

Herbert Saurugg, Cyber Security Austria

Peter Sloot, NTU Singapore/Institute for Advanced Study, University of Amsterdam, The Netherlands/CSH – Science Advisory Board

Stefan Thurner, CSH President/Medical University of Vienna/IIASA/Santa Fe Institute

Jeroen van den Hoven, Delft University of Technology

The Workshop is kindly supported by FuturICT 2.0

About the Complexity Science Hub Vienna (CSH)

The Complexity Science Hub Vienna is a research center in the field of complexity research founded in June 2015 by 6 stakeholders (AIT, IIASA, Medical University Vienna, Graz University of Technology, TU Wien (Vienna University of Technology), Vienna University of Economics and Business). The Hub is to be established as an international player in complexity research where the foundations are created for tapping into the full potential of complexity research in Austria and harnessing its potential for users. Researchers from Austria and abroad as well as from various scientific disciplines work together at the CSH to develop a well-founded understanding of complex systems in areas such as health and medicine, systematic risks in the financial sector, production as well as urban development and urbanization based on the analysis of large volumes of data (big data). In order to strengthen this cutting-edge institutional research, up to 10 research groups at the highest international level are to be established at the CSH. An important part of the Hub is the comprehensive event program which includes the CSH Public Lectures, the CSH Guest Lectures, and CSH Lectures, as well as the CSH Informal Lunch Talks. Thus, the hub is not only a place of research and networking, but also an important component of teaching in the field of complexity research.

Further inquiry note

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