



We are pleased to invite you to Arts, Humanities, and Complex Networks — 2nd Leonardo satellite symposium at NetSci 2011 taking place at the Ludwig Museum — Museum of Contemporary Art, Budapest, on Tuesday, June 7, 2011.

The aim of the symposium is to foster cross-disciplinary research on complex systems within or with the help of arts and humanities. The symposium will highlight arts and humanities as an interesting source of data, where the combined experience of arts, humanities research, and natural science makes a huge difference in overcoming the limitations of artificially segregated communities of practice. Furthermore, the symposium will focus on striking examples, where artists and humanities researchers make an impact within the natural sciences. By bringing together network scientists and specialists from the arts and humanities we strive for a better understanding of networks and their visualizations in general.

The overall mission is to bring together pioneer work, leveraging previously unused potential by developing the right questions, methods, and tools, as well as dealing with problems of information accuracy and incompleteness. Running parallel to the NetSci2011 conference, the symposium will also provide a unique opportunity to mingle with leading researchers and practitioners of complex network science, potentially sparking fruitful collaborations. The symposium is a follow up to the first satellite event on “Arts | Humanities | Complex Networks” at NetSci2010 in Boston. 2010 abstracts, papers and videos are available at: <http://artshumanities.netsci2010.net>.

Attendance to our symposium is free of charge. As space is limited, we require registration. We encourage everyone to also register for the main NetSci2011 conference. NetSci2011 attendees can register directly during main conference registration. For the NetSci2011 registration fee and deadline please see <http://www.netsci2011.net>. In addition we will give out a limited number of free tickets via Eventbrite. The respective link will be propagated in due time via our mailing list and Twitter. If you would like to be added to the list of interested people, please drop us an e-mail with the subject “Please add me to the Arts, Humanities, and Complex Networks list” at: artshumanities.netsci@gmail.com.

Further information: <http://artshumanities.netsci2011.net/>

ORGANIZING COMMITTEE:

Maximilian Schich, CCNR BarabásiLab, Northeastern University, USA
 Roger Malina, Executive Editor at Leonardo Publications, France/USA
 Isabel Meirelles, Dept. of Art + Design, Northeastern University, USA
 Tijana Stepanovic, Ludwig Museum—Museum of Contemporary Art’s Affiliate, ACAX | Agency for Contemporary Art Exchange, Hungary

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 ARTS, SCIENCES AND TECHNOLOGY

PRELIMINARY PROGRAM:

- 8:30–9:00 Registration & Breakfast
- 9:00–9:10 **Albert-László Barabási:** Opening Remarks
- 9:10–9:30 **Maximilian Schich:** Introduction
- 9:30–10:10 **Marek Claassen: Keynote** [ArtFacts.Net]
- 10:10–10:30 Coffee break
- 10:30–10:50 **Agnes Szanyi and Attila Varga:**
Aesthetic and Social Structure of the Hungarian Contemporary Art Field
- 10:50–11:10 **Tom Brughmans, Simon Keay and Graeme Earl:**
Complex Networks in Archaeology: Urban Connectivity in Roman Southern Spain
- 11:10–11:30 **Thomas Petzold, Han-Teng Liao, John Hartley and Jason Potts:**
Inter-Language Linking in Wikipedia: A Global Dependency Explorer for Languages and Content
- 11:30–11:50 **Juan Luis Suárez, Fernando Sancho and Javier De La Rosa:**
Sustaining a Global Community: Art and Religion in the Network of Baroque Hispanic-American Paintings
- 11:50–13:00 Lunch (on your own)
- 13:00–13:40 **Jean-Baptiste Michel and Erez Lieberman Aiden: Keynote** [Culturomics]
- 13:40–14:20 **Nathalie Henry Riche: Keynote** [Matrix Visualization]
- 14:20–14:40 Coffee break
- 14:40–15:00 **Christian Thiemann and Dirk Brockmann:**
Shortest-Path-Tree Tomography: A Structured, Quantitative Visualization of Complex Networks for Exploration and Communication
- 15:00–15:20 **Robin W. Wilkins, Matthew Steen, Paul J. Laurenti, Jonathan H. Burdette and Donald A. Hodges:**
The Effects of Music on the Brain: Investigating Music Preference Using Network Science Methods
- 15:20–15:40 **Wouter Van Den Broeck, Marco Quagiotto, Lorenzo Isella, Alain Barrat and Ciro Cattuto:**
The Making of Sixty-Nine Days Of Close Encounters at the Science Gallery
- 15:40–16:00 **George Legrady:**
Culture, Data & Algorithmic Organization
- 16:00–16:40 Conclusion and Final Discussion
- 17:00–18:00 Museum Tour with Tijana Stepanovic
- 19:30–21:30 NetSci2011 Opening Ceremony