

Dr. phil. Maximilian Schich

January 21, 2013 version

- CONTACT** Arts and Technology, School of Arts & Humanities
The University of Texas at Dallas
800 West Campbell Road, Mail Station AT10, Richardson, Texas 75080-3021
(972) 883-4334
- SUMMARY** Research focus on *Complex Networks in Arts and Humanities*; Multidisciplinary *post-doc experience* bridging art research and science, *Dr. phil.* in Art History; 10 years plus *consulting experience*.
- EDUCATIONAL HISTORY** HUMBOLDT-UNIVERSITY BERLIN
Dr. phil. in Art History May 2, 2007
Dissertation on *Rezeption und Tradierung als komplexes Netzwerk*
english: *Reception and Visual Citation as Complex Networks*
Advisors: Horst Bredekamp and Arnold Nesselrath; magna cum laude.
- LUDWIG-MAXIMILIANS-UNIVERSITY MUNICH
Magister Artium in Art History, Classic Archaeology und General Psychology February 20, 2001
Thesis on *Thermengrundrisse auf Renaissancezeichnungen*
english: *Roman bath ground plans in Renaissance drawings*
Advisor: Hubertus Kohle; total: very good.
- PROFESSIONAL EXPERIENCE** SCHOOL OF ARTS & HUMANITIES, THE UNIVERSITY OF TEXAS AT DALLAS
Associate Professor, Arts and Technology since January 2013
- CHAIR OF SOCIOLOGY IN PARTICULAR MODELING AND SIMULATION, ETH ZURICH
Research Associate April 2012 - November 2012
Researching *Complex Networks in Art History and Archaeology*.
- CENTER FOR COMPLEX NETWORK RESEARCH, NORTHEASTERN UNIVERSITY, BOSTON
DFG Visiting Research Scientist April 2009 - March 2012
Researching *Complex Networks in Art History and Archaeology*.
Visiting Associate Research Scientist February 2008 - April 2008
Investigating *Temporal Irregularities in Art History* on invitation by Albert-László Barabási.
- BIBLIOTHECA HERTZIANA (MAX-PLANCK-INSTITUTE FOR ART HISTORY), ROME
Project leader (Co-PI) January | June - October 2008
Pictorial Construction in Annibale Carracci's and Caravaggio's Paintings. A project with Sybille Ebert-Schifferer and her team, using my *Method Producing Scalable Image Matrices* (PCT application with Max-Planck).
- PROJEKT DYABOLA / VERLAG BIERING & BRINKMANN, MUNICH
Project Consultant June 1997 - December 2007
Extensive experience with large scale graph databases in art research. Brokering within the tetrahedron of project-partners, users, programmers and customers, doing workflow and content analysis, program development, and web-user-interface-design. Frequent business partners include the *Census of Antique Works of Art and Architecture Known in the Renaissance*, *Roman Germanic Commission (RGK) Frankfurt*, *German Archaeologic Institute (DAI) Rome & Madrid*, *Staedelsches Kunstinstitut Frankfurt*, *Winckelmann Gesellschaft Stendal*, *Museum für Abgüsse München (MfA)*, etc.
- DR. PFANNER GMBH
Intern September - October 1997
Restoration of the Munich Siegestor: Masonry works and documentary photography
- STAATLICHE ANTIKENSAMMLUNGEN UND GLYPTOTHEK MUNICH
Research Assistant November 1996 - October 1998 | July 2000
Exhibition organization / facsimile production: *Der Torso - Ruhm und Rätsel* and *Das Feige(n)blatt*;
photo documentation; database planning and production: *Electronic Inventory of the Glyptothek*.

Exhibition planning and implementation: *Im Brennpunkt der Moderne - Mies van der Robes Haus Tugendhat*; Database concept / prototyping: *DOCMA - Documentation of Modern Architecture*.

RESEARCH
INTERESTS

My research aims to map and understand the ecology of complex networks in the arts and humanities. By studying large structured datasets and integrating expertise from a variety of fields, such as the multidisciplinary science of complex networks, traditional arts and humanities, digital humanities, and information design, I strive to answer a number of fundamental questions: How can we comprehensively characterize the complex structure, dynamics and evolution of the available document record in the arts and humanities? What are the fundamental limits in reconstructing the actual historic process – i.e. the historian's equivalent of prediction? How do these limits depend on the complex nature of actual historic processes, massively heterogeneous preservation, hard to measure document bias, or the cognitive limits of individual scholars?

Key objectives are (a) to open hidden areas of inquiry by empirically measuring and visualizing implicit network dimensions, (b) to understand the macroscopic shapes of time in the historic process as they emerge from granular data, and (c) to build a community of practice and to communicate the results to a broad audience.

Fulfilling these objectives will break new ground. Results will facilitate both exploration and understanding of arts and humanities data for experts as well as non-experts. Results will also help to establish the emerging data science of arts and humanities, while adding a missing aspect to complex network research by amending the established list of physics, computer science, biology, social science, and economics. My research relies on a vigorous application of quantitative hermeneutics.

SKILLS

LANGUAGES

Native *German*; Fluent in *English, Italian*; Reading *Spanish, French, Latin*.

IT SKILLS

Substantial professional experience in (network) data analysis and visualization, imaging, print and online publication, (graph) database planning, application prototyping, and project evaluation. Particularly proficient in *Excel, Cytoscape, Adobe Design Collection* (and *Dyabola*, a semantic data technology). Using *Python*, the usual collaborative tools, and any regular operating system. Adopting new methods and tools as needed.

GRANTS

GERMAN RESEARCH FOUNDATION (DFG)

Research Grant (ca. € 122.500)

April 2009 - March 2012

STRATEGIC INNOVATION FUND OF THE PRESIDENT OF MAX-PLANCK-SOCIETY

Special project grant (€ 59.000)

January | June - October 2008

BIBLIOTHECA HERTZIANA (MAX-PLANCK-INSTITUTE FOR ART HISTORY) ROME

Predoctoral grant (ca. € 46.500)

February 2002 - January 2004

AWARDS

INTERNATIONAL WORKSHOP ON CHALLENGES AND VISIONS IN THE SOCIAL SCIENCES, ETHZ

Best Poster Award (CHF 1000)

August 18-23, 2008

SOCIETY OF ARCHITECTURAL HISTORIANS SAH 61ST ANNUAL MEETING, CINCINNATI/OHIO

Annual Meeting Fellowship of the Samuel H. Kress Foundation (\$ 1000)

April 23-27, 2008

COMMITTEES

LEONARDO JOURNAL (MIT PRESS)

Guest Editor (Special Section: Arts, Humanities, and Complex Networks)

2010-2012

CIKM 2011 – 20TH ACM INTERNATIONAL CONFERENCE ON INFORMATION AND KNOWLEDGE MANAGEMENT, GLASGOW

Programme committee member

October 24-28, 2011

ARTS, HUMANITIES, AND COMPLEX NETWORKS – 2ND LEONARDO SATELLITE SYMPOSIUM

AT NETSCI 2011, LUDWIG MUSEUM, BUDAPEST

Organizing committee member, URL: <http://artshumanities.netsci2011.net>

June 7, 2011

CAA 2011 – 39TH ANNUAL INTERNATIONAL CONFERENCE ON COMPUTER APPLICATIONS AND QUANTITATIVE METHODS IN ARCHAEOLOGY - BEIJING

Review college member

April 12-16, 2011

CIKM 2010 – 19TH ACM INTERNATIONAL CONFERENCE ON INFORMATION AND

	KNOWLEDGE MANAGEMENT, TORONTO <i>Programme committee member</i>	October 23–30, 2010
	NETHERLANDS ORGANISATION FOR SCIENTIFIC RESEARCH (NWO) <i>Independent expert</i> (Complexity Programme, Division Physical Sciences)	May 2010
	ARTS HUMANITIES COMPLEX NETWORKS – A LEONARDO SATELLITE SYMPOSIUM AT NETSCI 2010, NORTHEASTERN UNIVERSITY, BOSTON <i>Organizing committee member</i> , URL: http://artshumanities.netsci2010.net	May 10, 2010
	HIGH THROUGHPUT HUMANITIES SATELLITE CONFERENCE AT EUROPEAN CONFERENCE ON COMPLEX SYSTEMS 2010, ISCTE, LISBON <i>Organizing committee member</i> , URL: http://hth.eccs2010.eu	September 15, 2010
	EUROPEAN COMMISSION, BRUSSELS <i>Independent expert</i> (FP7, Future & Emerging Technologies FET)	May 2008
	AMONG OTHERS	
OTHER	EVENT MANAGEMENT AND DJ SETS <i>Fachschaft Kunstgeschichte - LMU Munich</i>	July 1997 – February 1999
	Organization of public events with video and performance artists every six months, resulting in an independent financial basis for the student community. Up to 800 guests. Five digit event budgets mostly covered by fundraising.	
	<i>Rent a Party (with Georg Gasteiger)</i>	1990 – June 1994
	Founding of a business and organizing public events up to 1000 guests. Collaboration with various public institutions like Kreisjugendring, catholic and lutheran parishes, schools, etc.	
BOOK	<i>Rezeption und Tradierung als Komplexes Netzwerk. Der CENSUS und visuelle Dokumente zu den Thermen in Rom.</i> (Diss. HU-Berlin, May 2, 2007) Munich: Verlag Biering & Brinkmann 2009. German, 340 pp., 225 figs., 8 pl., 25 maps and 570 figs. in appendix. ISBN: 978-3-930609-56-7. URL: http://archiv.ub.uni-heidelberg.de/artdok/volltexte/2009/700/ [Open-Access Eprint] URN: urn:nbn:de:bsz:16-artdok-7002.	
ARTICLES	<i>Netzwerke komplexer Netzwerke in der (Kunst)Wissenschaft.</i> in: Interdependenz und Dynamik sozialer und sprachlicher Netzwerke, Bielefeld: Zentrum für Interdisziplinäre Forschung (ZIF) 2011. URL: http://www.schich.info/pub/2011/Schich_2011_Bielefeld_Preprint.pdf [non-public, in press]	
	(with Michele Coscia) <i>Exploring Co-Occurrence on a Meso and Global Level Using Network Analysis and Rule Mining.</i> MLG'11 Proceedings of the Ninth Workshop on Mining and Learning with Graphs. ACM KDD San Diego, CA, USA. URL: http://www.cs.purdue.edu/mlg2011/papers/paper_22.pdf	
	<i>Revealing Matrices.</i> in: Beautiful Visualization. Looking at Data through the Eyes of Experts. Edited by Julie Steele and Noah Iilinsky. Sebastopol, CA: O'Reilly 2010, pp. 227–254 URL: http://revealingmatrices.schich.info	
	<i>L'immagine delle Terme di Traiano nel Codice Destailleur e in altre vedute d'epoca.</i> Bullettino della Commissione Archeologica Comunale di Roma CXI 2010, pp. 339–352/375–382. URL: http://archiv.ub.uni-heidelberg.de/artdok/volltexte/2009/709/ [online preprint]	
	(with César Hidalgo, Sune Lehmann, and Juyong Park) <i>The Network of Subject Co-Popularity in Classical Archaeology.</i> Bollettino di Archeologia on line I 2010, Volume Speciale, Poster Session 8, pp. 49–57. URL: http://151.12.58.75/archeologia/bao_document/poster/6_SCHICH_e_altri.pdf	
	(with Albert-László Barabási) <i>Human activity – from the Renaissance to the 21st century.</i> in: Perelló, Josep; Alsina, Pau (ed.): Cultures of Change. Exhibition Catalogue, Barcelona: Arts Santa Monica 2009–2010, pp. 86–89. URL: http://archiv.ub.uni-heidelberg.de/artdok/volltexte/2010/958/ [postprint]	
	(with Sune Lehmann and Juyong Park) <i>Dissecting the Canon: Visual Subject Co-Popularity Networks in Art Research.</i> 5th European Conference on Complex Systems, Jerusalem, September 3, 2008. URL: http://www.jeruccs2008.org/node/114	

	(with Steffen Krämer) <i>How Simple Life Deconstructs Utopia</i> . in: Stephan Doesinger (ed.): Space Between People. How the Virtual Changes Physical Architecture. Munich: Prestel 2008 pp. 30-45. ISBN: 3-791339-91-5. URL: http://archiv.ub.uni-heidelberg.de/artdok/volltexte/2009/710/ [postprint]
	<i>Caracalla-Thermen</i> . in: Christina Strunck (ed.): Rom. Meisterwerke der Baukunst von der Antike bis heute. Festgabe für E. Kieven. Petersberg: Michael Imhof Verlag 2007 pp. 58-61. ISBN: 3-865681-86-7
	<i>Terme e basilica di Massenzio</i> . in: Fiore, Francesco Paolo (ed.): La Roma di Leon Battista Alberti. Umanisti, architetti e artisti alla scoperta dell'antico nella città del Quattrocento. Exhibition Catalogue, Rome 2005 pp. 274-281. ISBN: 8-876243-94-1
	<i>The functions of the Roman imperial baths in the 16th century</i> . in: Roma moderna e contemporanea, 17.2009(2010), 1/2, pp. 185-187. [submitted in 2004]
PROJECT REPORT	(with Sibylle Ebert-Schifferer) <i>Bildkonstruktionen bei Annibale Carracci und Caravaggio: Analyse von kunsthistorischen Datenbanken mit Hilfe skalierbarer Bildmatrizen</i> . Rome: Bibliotheca Hertziana (Max-Planck-Institute for Art History) 2009. URL: http://tinyurl.com/biblhertz-bildmatrix-2008
EDITING	(with Isabel Meirelles and Ernest Edmonds) <i>Special Section: Arts, Humanities and Complex Networks</i> . Leonardo 44:3, June 2011, pp. 239-267. [with further issues 45:1 and 45:3 to appear] URL: http://www.mitpressjournals.org/toc/leon/44/3
COMMENTS	Letter: <i>History repeats itself</i> . The Economist, print edition Jul 16th 2011, p. 17. URL: http://www.economist.com/node/18956507
COMMENTS (CONTINUED)	Editorial: (with Isabel Meirelles and Albert-László Barabási) <i>Arts Humanities Complex Networks</i> Leonardo, Volume 43, number 3, June 2010, p. 212 URL: http://www.mitpressjournals.org/toc/leon/43/3
	Comment: <i>Re: Q: digital image databases. [Fundamental thoughts from a researcher's point of view]</i> . in: H-Arthist Mailing-List, March 22, 2005. URL: http://tinyurl.com/20050522-H-Arthist
	Conference Review: <i>Datenbanken in den Geisteswissenschaften. Arbeitsgespräch in der Bibliotheca Hertziana, Rom, 18. Juli 2003</i> . in: H-SOZ-U-KULT, September 10, 2003. URL: http://tinyurl.com/20030910-H-SOZ-U-KULT
	Book Review: <i>Anna Schreurs: Antikenbild und Kunstanschauungen des neapolitanischen Malers, Architekten und Antiquars Pirro Ligorio (1513-1583)</i> . Köln 2000 in: Kunstform 2 (2001) No. 02. URL: http://tinyurl.com/Kunstform-2-2001-2
DATABASES	<i>THERMAE. Visual Documents on the Imperial Baths in Rome</i> . URL: http://thermae.schich.info [in preparation]
	(with Vinzenz Brinkmann, Ulrike Wurnig et al.) <i>The Electronic Inventory of the Glyptothek in Munich</i> . DVD Munich 1996-2002.
MANUALS	Numerous public and internal manuals for <i>Projekt Dyabola</i> in English and German: General <i>Dyabola User Manual</i> (2001). Project manuals for the <i>CENSUS</i> (1999 with Vinzenz Brinkmann), the <i>Winckelmann-Database</i> (2000), and <i>Subject Catalogues of Publications on the Ancient World (Deutsches Archäologisches Institut)</i> (2001). URL: http://www.dyabola.de/en/manual/manual.htm
PATENT	(pending) <i>Method producing scalable image matrices</i> . PCT/EP2007/006900, assignee: Max-Planck-Society, priority: August 7, 2006. URL: http://www.wipo.int/pctdb/en/wo.jsp?wo=2008017430

TEACHING

Vernetzungen und Verstrickungen: Digital Humanities and the New Science of Complex Networks Block seminar co-thought with computer scientist Katharina Zweig, Marsilius-Kolleg, Rupert-Karls-University Heidelberg, September 10-12, 2012

Complexity of Space Documentation: Ambiguity, Heterogeneity and Dynamics, Three hour seminar, Université d'Été, Yverdon-les-Bains, August 8, 2012

Arts, Humanities, and Complex Networks. Two hour seminar with international students via video conference, 'Media Art Histories' master programme, Department for Image Science, Donau-Universität Krems, October 2, 2011.

Complex Structure in Digital Collections. Two day lecture within the 'Digital Collection Management' certified programme, Department for Image Science, Donau-Universität Krems, June 14-18, 2010.e (with Stefan Hertle) *Tutorial preparing for the final undergrad exam in art history*, Institute for Art History, Ludwig-Maximilians-University Munich, winter semester 1999/2000.

TALKS

Ecology of Complex Networks in Art Research. Invited talks at the Workshop: Modelling Linguistic Networks, University of Frankfurt/Main, December 10/11, 2012 eHumanities Seminar, University of Leipzig, November 14, 2012 [invited] Vortragsreihe Digitale Kunstgeschichte, Ludwig-Maximilians-University Munich, October 30, 2012 Meeting: Digitale Forschungsinfrastrukturen, Humboldt-University Berlin, June 1, 2012 Digital Resources for Art History, Fondazione Ermitage, Ferrara, May 21, 2012 (postponed) Soziologisches Kolloquium, ETH Zurich, April 3, 2012 Center for International Development, Harvard University, Cambridge/MA, March 26, 2012 Center for Complex Network Research, Northeastern University, Boston/MA, March 23, 2012 Art and Technology Center (ATEC), University of Texas at Dallas, March 19, 2012 The New York Times Research Lab, New York City, March 8, 2012 Google tech talk, Google Cambridge Office, Cambridge/MA, March 6, 2012 Center for Digital Scholarship, Brown University Library, Providence/RI, December 13, 2011 Department of Art and Art History, Tufts University, Medford/MA, November 29, 2011.

Arts, Humanities, and Complex Networks. Introductory talk at the respective Leonardo satellite symposium at NetSci2012, Northwestern University, Evanston/IL, June 19, 2012.

Opening panel on theory and practice of data modeling, Invited panelist, DFG/NEH workshop on Data Modeling in the Humanities, Brown University, Providence/RI, March 14, 2012

Beyond Data Collection and Retrieval: Explaining Complex Networks of Objects, People, Locations, and Time, Invited talk in the 'Perspectives on the Digital Humanities' series, College of Social Sciences and Humanities, Northeastern University, Boston/MA, February 28, 2012

Visualizing the Ecology of Complex Networks in Art History. Contributed talk at the 'CAA 100th Annual Conference', Los Angeles/CA, February 24, 2012.

The Genesis of Scimap 129, Keynote talk at the 'Places & Spaces: Mapping Science' opening reception, Snell Library, Northeastern University, Boston/MA, February 6, 2012

Frequenz, gemeinsames Auftreten, und komplexe Überlappung archäologischer Gegenstände seit der Renaissance. Invited talk at 'Wissenschaftlicher Fortschritt und Veränderungen der Buchkultur – die Illustration als Medium der Altertumswissenschaften', German Archaeologic Institute (DAI), Rome, November 17-18, 2011.

Das soziale Netzwerk des römischen Barock und die Ökologie komplexer Netzwerke in den Kunstwissenschaften. Lecture at Bibliotheca Hertziana (Max-Planck-Institute for Art History), Rome, November 15, 2011.

Media Art Histories Archive Roundtable, Invited participant, 'REWIRE – Fourth International Conference on the Histories of Media Art, Science and Technology', FACT (Foundation for Art and Creative Technology), Liverpool, UK, September 28-30, 2011.

Towards Understanding the Ecology of Art History – Archives, Networks, and Complexity. Invited talk at ‘The First Young Investigator Conference – EITC-YIC 2011’, Maxwell Dworkin Building, Harvard University, Cambridge/MA, August 18–19, 2011.

Towards Understanding the Ecology of Art History – Archives, Networks, and Complexity. Invited talk at ‘Visual Archives in the Digital Age. An international symposium’, Jacobs University Bremen, June 14–15, 2011.

Arts, Humanities, and Complex Networks. Introductory talk at the respective Leonardo satellite symposium at NetSci2011, Ludwig Museum for Contemporary Art, Budapest, June 7, 2011.

(with Martin Kemp) *Towards Understanding the Ecology of Art History – Canons and Tails (Christ to Coke).* Invited talk at the Oxford eResearch Centre (OeRC), Oxford University, May 31, 2011.

(with Michele Coscia) *Untangling the Complex Overlap of Subject Themes in Classical Archaeology.* Invited talk on behalf of Gregory Crane at Tufts University, Medford/Somerville/MA, April 26, 2011.

(with Michele Coscia) *Untangling the Complex Overlap of Subject Themes in Classical Archaeology.* Contributed talk at the ‘39th Annual International Conference on Computer Applications and Quantitative Methods in Archeology (CAA)’, Beijing, April 12–16, 2011.

Networks in the Experience of Art – Some Associations. Invited talk at ‘The Non-Linear Experience in Music’, Center for Interdisciplinary Research (ZIF), Universität Bielefeld, March 1–4, 2011.

Complex Networks in Art History and Archaeology. Invited talk at ‘CompleNet – 2nd Workshop on Complex Networks’, Rio de Janeiro, Brasil, October 13–15, 2010.

Complexity of Space Documentation: Ambiguity, Heterogeneity and Dynamics. Keynote talk at the summer school on ‘Visualizations of Space: Concepts – Methods – Media’, organized by the Graduate School ‘Topology of Technology’, Darmstadt University of Technology, Bad Münster am Stein-Ebernburg, September 27 – October 1, 2010.

High Throughput Humanities. Introductory talk at the respective satellite symposium at the ‘7th European Conference on Complex Systems ECCS’10’, Lisbon University Institute ISCTE, Lisbon, Portugal, September 15, 2010.

Reconstructing Ancient Rome: 700 Years of IT and Knowledge Management. Invited talk at 2010 USENIX Annual Technical Conference, Boston/MA, June 23–25, 2010.

Video: <http://www.usenix.org/multimedia/atc10schich/>

Image Matrices: Learning from Klosterneuburg. Contributed talk at the MIT Hyperstudio ,humanities+digital visual interpretations conference’, Bartos Theater, MIT Media Lab, Cambridge/MA, May 21, 2010. Video: <http://techtv.mit.edu/videos/7864> or hi-res: <http://vimeo.com/12115271>

Arts | Humanities | Complex Networks. Introductory talk at the respective Leonardo satellite symposium at NetSci2010, Northeastern University, Boston/MA, May 10, 2010.

Video: <http://artshumanities.netsci2010.net/movies.htm>

Netzwerke von Netzwerken in der Kunstwissenschaft. Invited talk at ‘Interdependenz und Dynamik sozialer und sprachlicher Netzwerke’, Center for Interdisciplinary Research (ZIF), Universität Bielefeld, April 28–30, 2010.

Ecology of Urban Space Documentation. Foraging and Remixing the City. Invited talk at the ‘Critical Ecologies’ colloquium, Harvard Graduate School of Design (GSD), Cambridge/MA, April 2–3, 2010.

Complex Networks in Art History and Archaeology. Lunch talk at Google Cambridge/MA, March 19, 2010.

(with Sune Lehmann and Gourab Goshal) *High Throughput Humanities.* Ignite talk at ‘O’Reilly Global Ignite Boston 7’, Microsoft New England Research Center (NERD), Cambridge/MA, March 4, 2010. Video: <http://www.youtube.com/watch?v=q4RLQ2KC-cU>

Trying to Understand the Coral Reef of Culture. A SciFoo09 session including an introductory talk and a podium style discussion with Martin Kemp and Brian Uzzi. Science Foo Camp 2009, Googleplex, Mountain View, California, July 10-12, 2009.

Evaluating Cultural Heritage Databases Using Degree Matrices. Contributed talk at ‘NetSci09 International Workshop and Conference on Complex Networks and their Applications’, Istituto Veneto Science Lettere ed Arti, Venice, June 29 - July 3, 2009.

Artifact Networks. Invited talk at NetHum09, Chiesa di S. Vidal, Venice, July 2, 2009.

Complex Networks in Archaeology. Lecture at the 37th Annual International Conference on Computer Applications and Quantitative Methods in Archeology (CAA), Williamsburg/VA, March 26, 2009.

On the Anatomy of Canon and Co-Popularity – Complex Network Structures in Art Research. Lecture at Università degli Studi “La Sapienza”, organized by Guido Caldarelli and Vittorio Loreto, Rome, October 29, 2008.

Zur Anatomie von Kanon und Co-Popularität – Antike Skulpturen in der Renaissance sowie Bildkonstruktionen bei Annibale Carracci und Caravaggio. Lecture at Bibliotheca Hertziana (Max-Planck-Institute for Art History), Rome, October 27, 2008.

(with Sune Lehmann and Juyong Park) *Dissecting the Canon: Visual Subject Co-Popularity Networks in Art Research.* Long Oral Presentation at the ‘5th European Conference on Complex Systems’, Hebrew University, Jerusalem, Israel, September 12-19, 2008.

(with Sune Lehmann) *Generating 2-Dimensional Overviews from a Bi-Partite Classification of Images.* Contributed Talk at ‘NetSci’08 - International Workshop and Conference on Complex Networks and their Applications’, Norwich Bioscience Institutes, Norwich, UK, June 23-27, 2008.

Palladio’s Imperial Roman Baths as a Central Node in the Complex Network of Visual Citation. Lecture at the ‘Society of Architectural Historians 61st Annual Meeting’, Cincinnati, Ohio, April 23-27, 2008. [awarded with the SAH Annual Meeting Fellowship of the Samuel H. Kress Foundation].

Adding Art Research Data to the Giant Global Graph. Presentation at the ‘Cambridge Semantic Web Gathering’ (organized by Tim Berners-Lee), Stata Center, MIT, Cambridge/MA, April 8, 2008.

Implementing the CIDOC CRM in Metaweb’s Freebase.com. Presentation at the ‘15th FRBR - CIDOC CRM Harmonization Meeting’, Germanisches Nationalmuseum, Nürnberg, December 4-7, 2007

Integrating ‘very old’ sources with modern research. Lecture at the ‘International Congress [on] Cultural Heritage und New Technologies: Workshop 12: Archaeology & Computers, Workshop 1: Publishing „old“ excavations with new technologies Part 3’, Stadtarchäologie Vienna, November 5-7, 2007.

Sample und Remix in Kopie und Rekonstruktion. Lecture at the international congress ‘The Originality of Copies. Copies as Produces and Media of the Transformations of Antiquity’, SFB 644 Transformationen der Antike, Humboldt-Universität zu Berlin, November 2-3, 2007.

The Network of (Antique) Reception: Evolution, Self-Similarity and Transmission. Lecture at ‘Dynamics On and Of Complex Networks’, Satellite Workshop of the 14th European Conference on Complex Systems’, Dresden, October 1-5, 2007.

Beyond the Paragone: Addressability and Access. Lecture at ‘Archaeology and the Modern World Session 13: Is Invention the Mother of Necessity?’ at the ‘13th European Association of Archeologists (EAA) Annual Meeting’, Zadar, Croatia, September 18-23, 2007

Reception and Transmission of Visual Information as Complex Networks. Lecture at the ‘International Workshop on Complex Systems and Networks’, Transylvanian Summer School Series, Teleki Educational Center, Sovata, Romania, July 15-20, 2007.

Sample and Remix in Building Reconstruction. Lecture at the study day ‘Terme di Caracalla – le ultime ricerche’, Istituto Storico Austriaco & Soprintendenza Archeologica di Roma, Rome, March 1-2, 2007.

L'immagine delle Terme di Traiano nel Codice Destailleur e in vedute d'epoca. Lecture presented at ‘Giornata di studi: Scavi nelle Terme di Traiano sul Colle Oppio’, German Archaeologic Institute (DAI), Rome. October 20, 2005.

The Functions of the Roman Baths in the 16th Century. Paper presentation at ‘Congresso AISU’, Università Roma Tre, Rome, June 26, 2004.

Tradierung visueller Information am Beispiel der Kaiserthermen in Rom. CENSUS lecture, Humboldt-Universität zu Berlin, June 22, 2004.

Roman Imperial Baths and the Codex Destailleur. A Big Picture. Lecture presented at the ‘International Study Day on the Codex Destailleur’, Bibliotheca Hertziana (Max-Planck-Institute for Art History), Rome, April 26, 2004.

Zur visuellen Tradierung der Kaiserthermen. Lecture at Bibliotheca Hertziana (Max-Planck-Institute for Art History), Rome, November 27, 2003.

Die Internetoberfläche von Projekt Dyabola. ‘New Media Workshop’ lecture, Bibliotheca Hertziana (Max-Planck-Institute for Art History) Rome, July 8, 2002.

Panel Discussion with Ecke Bonk at Sarat Maharaj’s seminar ‘Thinking Documenta & Doing Documenta’, Humboldt-Universität zu Berlin. November 15, 2001.

(with Peter Seiler and Tatjana Bartsch) *The CENSUS of Antique Works of Art and Architecture Known in the Renaissance.* Presentation at the convention ‘Prometheus - Das verteilte digitale Bildarchiv für Forschung und Lehre’, University of Cologne, September 13, 2001.

The New DYABOLA Web Interface. Presentation at the workshop ‘They Never Covered This in Library School: Basic Resources in Ancient Art and Archeology’, Art Libraries Society of North America (ARLIS/NA), 28th annual conference, Pittsburgh/PA, March 18, 2000.

EXHIBITS

Network diagram of agents connecting the British, Belgian, Dutch, and French auction markets from 1801–20 using 230,000 records from the Getty Provenance Index® databases. Zoomable online exhibit at the official website of the Getty Research Institute, Los Angeles/CA, September 2011.
URL: <http://www.getty.edu/research/tools/provenance/zoomify/index.html>

The Census of Antique Works of Art and Architecture Known in the Renaissance 1947–2005: Revealing emergent complex structure within the data model definition of a scholarly database. Map exhibit at ‘Places & Spaces – Mapping Science, 7th Iteration on Science Maps as Visual Interfaces to Digital Libraries’, University of North Texas, Denton/TX, September 15, 2011 – January 24, 2012 (among other places). URL: <http://scimaps.org/>

(with Michele Coscia) *An Emerging Big Picture of Classical Archaeology as a Complex System.* Poster presented at ‘8th European Conference on Complex Systems ECCS’11’, Campus Altes AKH, Vienna, September 12–16, 2011.

(with Michele Coscia) *Exploring Co-Occurrence on a Meso and Global Level Using Network Analysis and Rule Mining.* Full paper presented as poster due to visualization content, MLG’11 Ninth Workshop on Mining and Learning with Graphs. ACM KDD San Diego/CA, USA, August 20–21, 2011.

(with César Hidalgo, Sune Lehmann and Juyong Park) *The Network of Subject Co-Popularity in Classical Archaeology.* Poster presented at the 17th International Congress of Classical Archaeology, Palazzo della FAO, Rome, September 22–26, 2008.

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[Best Poster Award] Video: http://videlectures.net/cvss08_schich_dtcvs/