

Hartmut Kern, M.A.

Max-Planck-Institut für Wissenschaftsgeschichte

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SUMMARY

Development for visualization aspects of scholarly work and data in the humanities including digital scholarship, data management, and data/digital projects. I was part of the Informational Technology Group and now part of the Library as specialist and guide in digital publication process and online projects. One of my latest topics was located in the area of multimedia data, the presentation of audio and video data (self produced, historical, or from other institutions) in an online webservice called Mediathek.

My work builds and guides through workflows to create and sustain successful collaborative scholarly projects and initiatives.

AREAS OF SPECIALIZATION

- Data Processing & Management
- Digital Publishing, Multimedia Producing
- Digital Libraries for Multimedia, Archives and Scholar-Driven Systems
- Programming with JAVA, XSLT, NodeJs
- Text-Processing (structure and non-structured texts) and statistical analysis
- Design (Paper and WWW)

EDUCATION

1988 M.A., Philosophy, (Soziologie, Politik), Freie Universität Berlin

WORK EXPERIENCE

Designer - Several Websites from 1998 up to 2015. Industrial and scientific contexts. (HTML, CSS, Photoshop, InDesign, Java Enterprise Edition (JEE, Tomcat), Magnolia, Dreamweaver.

Programmer - (Perl, Java, JavaScript, PHP, Databases (MySQL, PostgreSQL, FileMaker, Mongo)) 1998 up to today.

Analyst – Database, Programming Workflows, Use of Computer Software in scientific context – Humanities.

Evangelist – Possibility of using computer software for scientific work in the analog context of research in the humanities.

Visualization – Several WebServices, GIS and other multimedia projects to bring scientific works online beyond the “Gutenberg-Universe”.

Scholarly Works – Courses in Photoshop, InDesign, Database Design, Programming (good experiences in Perl, JavaScript, Java), Audio- and Video Processing with computer software (Logic, MAX, Premiere, Squeeze). XML and XSL Processing with or without Databases.

Team-Leading – Space2Go, Berlin, Germany – Head of Development (2001). It-Support of the Max-Planck-Institute of the History of Science (2005 - 2013)

WORK

PHD Trial from 1989 to 1994. Part of the “Montags-Kolloquium”, Wolfgang Lefèvre and Peter Damerow. Max-Planck-Institut für Bildungsforschung / FU-Berlin. Hegel's natural philosophy; Concept of Heat and the 'Bewegung des Begriffs'.

Ars Mentis – GBR with Bruno Landthaler, Electronic Publishing, CD and DVD Content Production for Publishers, Berlin. 1994 - 1995

KERN elektronisches Publizieren – Internet-Service, Unix Maintenance, Web-Site Production, Database to Website Programming (Perl). 1995 – 2000

Space2Go – Festanstellung, Kommissarischer Entwicklungsleiter Java EE. Online Kalender und PIM Daten (Kalender, E-Mail, Data-Repository). 2000 – August 2002

Max-Planck-Institut für Wissenschaftsgeschichte. Wissenschaftlicher Mitarbeiter. Betreuung von Wissenschaftlern und Projekten im Geisteswissenschaftlichen Kontext in der It-Gruppe. Programmierung von Web-Diensten. Betreuung der Instituts-Website bis 2005. Mitarbeit in vielen Einzelprojekten, und Institutsprojekten. Mediathek des Institutes. November 2002 –

PUBLICATIONS

Books, Contributor of Chapter

Hartmut, Kern (1998). "Es ist die Materie nur als reine Kraft, oder das Zeugungsvermögen". In K. Vieweg (Ed.), *Hegels Jenaer Naturphilosophie* (pp. 289-299). München: Wilhelm Fink Verlag.

Electronic Projects (Completed)

Max-Planck-Gesellschaft im Wandel der Zeit. Idee und Betreuung von Birgit Kolboske.
Konzeption: Hartmut Kern. 2014

<http://hartmutkern.mpiwg-berlin.mpg.de:8080/magnoliaPublic/Max-Planck-Gesellschaft.html>

Mediathek. - Entwicklung, Layout, Konzeption: Hartmut Kern und Jan Kaminski 2009 - 2014

<http://mediathek.mpiwg-berlin.mpg.de/mediathekPublic/2013>

Events at the MPIWG. Konzeption: Hartmut Kern (2006 - 2014)

<http://www.mpiwg-berlin.mpg.de/workshops/en>

Support at the Max-Planck-Institut for the History of Science (2005 - 2013)

<http://support.mpiwg-berlin.mpg.de/supportPublic/support.html>

Knowledge In the Making - Idee und Betreuung von Barbara Wittmann. Entwicklung, Layout,
Konzeption: Hartmut Kern, Barbara Wittmann.

<http://knowledge-in-the-making.mpiwg-berlin.mpg.de/>

ScientificObjects - Version 2 - Idee und Betreuung von Hannah-Lotte Lund. Entwicklung,
Layout, Konzeption: Hartmut Kern und Jan Kaminski

<http://scientificobjects.mpiwg-berlin.mpg.de/>

A Cultural History of Heredity. - Idee und Betreuung von Christina Brandt und Daniela Kelm.
Entwicklung, Konzeption: Hartmut Kern. Design, Layout: Jan Kaminski

<http://heredity.mpiwg-berlin.mpg.de/>

Betriebsrat - Entwicklung, Konzeption, Layout: Hartmut Kern.

<http://xserve05.mpiwg-berlin.mpg.de:48080/1/index.html>

Siteplans - Internes Info-System. "Bring your Databases to the Net". Wer, Wo, Was, Photo, Publikationen, Links. Entwicklung, Konzeption, Layout: Hartmut Kern. (2006 - 2008). (Internal)

<http://siteplans.mpiwg-berlin.mpg.de/mpiwgdahlem/initOgmitsitzenSearch.do?gesucht=dschaefer>

Electronic Projects (In Development)

Web-Maker Trial. Popcorn: A maker initiative to make the internet easier. (Mozilla Org)

[Web-Maker Scribble](#)

Multi Media and the History of Science / Sound of Silk film project

[Sound of Silk film project](#)

CREATIVE WORKS OR ACTIVITIES

Philosophy

Vorbereitung der Publikation der Mitschrift aus dem "Nachlaß des Sax van Terborg" editiert von Helmut Schneider, Universität Kassel, Institut für Philosophie. Hegel Vorlesung der Ästhetik. Index-Erstellung und statistische Auswertung des Textes hinsichtlich der Erstellung eines qualifizierten Wortindex. Voraussichtlich 2016

Erstellung eines Wikipedia – Eintrages zur Geschichte des "Internationalen Arbeitskreis zu Hegels Naturphilosophie" (1970 bis heute) , verantwortet von Herrn Prof. Neuser (TU Kaiserslautern). Erstellung einer Sammlung aller Beteiligten des Arbeitskreises, Quellen, Bibliographien zum Thema Naturphilosophie bei Hegel als Online-Ressource.

Current Activities (2012 - 2015)

- For the [Mediathek](#) of the Institute I have been editing the conference video and audio of the past 5 years. We now have over 240 talks, interviews, etc. recorded and published on this website. The website is divided into a public part (which will be used by our Public Relation in 2015) and a closed area. The closed area can be accessed on demand (user/password) or in our own network.
- For the Research group of Sabine Arnaud I developed a group working environment (based on Magnolia) with which documents, images, texts can be sorted, resorted or edited in a web-based server environment (JAVA, Magnolia, JackRabbit, Lucene, Solr). [Web-Site](#)
- I organized and held teachings in Publishing on bases of Photoshop, InDesign, OCR.
- With the help of workflows, I designed for the Mediathek, some groups in the institute are now able to publish out of the conference context (Audio, Transcriptions, Access from over the world, Video) in collaborative way.
- The conference technique of our institute will be renewed completely in 2017. Therefore there will be new audio equipment, video live broadcasting, audio and video recording in HD quality, video-conference equipment. I am leading this works technically for our institute since 2013.
- With Dagmar Schäfer the project: "Multi media and the History of Science / Sound of Silk film project. The project examines ways of creating scientific articles - editorially and technically - through multi-media. Articles are being prepared in the history of science, history of technology and cultural conditions of science.