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## Thomas Fischer 費道聞

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### Curriculum Vitae

Born 31<sup>st</sup> of December 1972 in Witzenhausen (Germany), married, one child.  
German citizen, Hong Kong permanent resident, China resident

## Education

1988-1992: **Electrical Engineering Highschool in Eschwege / Germany**

Major subjects: Electrical Engineering, English, Physics. German Abitur (A levels) in March 1992.

1992-1996: **University of Kassel (GhK)**

Undergraduate/MEd Studies in Educational Science, German Language and Literature, Psychology and Political studies.

November 1996: **University of Kassel, Germany**

Graduation (MEd equivalent). Thesis title: *Hypertext. Structures and Educational Potential*.

1997-2001: **Department of Education, University of Kassel**

PhD studies on *Educational Authoring Systems Design*. Supervisors:

Prof. W. Sanke (Department of Education, GhK) and

Prof. Dr. Hans Dehlinger (Department of Product Design, GhK).

June 2001: **Department of Education, University of Kassel**

Received doctoral degree (Dr. phil.) in Education.

2002-2008: **Faculty of the Constructed Environment, School of Architecture and Design, RMIT**

PhD studies on *Digital Toolmaking for Designing*. Supervisors:

Prof. M.C. Burry (Spatial Information Architecture Lab, RMIT University) and

Prof. J.H. Frazer (School of Design, Queensland University of Technology).

Advisor: Prof. Ranulph Glanville (CyberEthics Research, RMIT University)

May 2008: **Faculty of the Constructed Environment, School of Architecture and Design, RMIT**

Received doctoral degree (PhD) in Architecture and Design.

## Academic positions

April-Sept. 1999:

**School of Architecture and Building at Deakin University, Australia**

Research Scholar. Metadata specification, educational software prototyping.

1999-2001:

**School of Design, The Hong Kong Polytechnic University**

Project Associate. Research and teaching Interactive Systems Design.

2001-2010:

**School of Design, The Hong Kong Polytechnic University**

Assistant Professor. Discipline leader BA(Hons) in Industrial and Product Design. Research and teaching in Industrial and Product Design, Design Computation, Environmental Design and Interactive Systems Design. Departmental educational IT infrastructure planning, curriculum planning and teaching at undergraduate, Masters and PhD levels.

May/June 2003:

**Spatial Information Architecture Lab, Faculty of the Constructed Environment, RMIT University, Melbourne**

Visiting Fellow

April 2006:

**Department of Architecture, College of Planning and Design, National Cheng Kung University, Tainan, Taiwan**

Visiting Scholar

September/October 2008:

**The College of Architecture and Urban Planning, Shenzhen University, Shenzhen, China**

Visiting Professor

November 2008:

**School for Designing a Society, Urbana, Illinois USA**

Artist in Residence

February 2010-July 2011:

**Institute of Creative Industries Design (ICID), College of Planning and Design. National Cheng Kung University, Tainan, Taiwan**

Visiting Associate Professor

July 2011 - ongoing

**Department of Architecture, Xi'an Jiaotong-Liverpool University, China**

Associate Professor, Acting Head of Department

## Professional/academic memberships

**American Society for Cybernetics (ASC)**, life-time member, executive board member (secretary)

**Chaos Computer Club e.V. (CCC)**, member

**Hong Kong Designers Association (HKDA)**, member

**Computer-Aided Architectural Design Research in Asia (CAADRIA)**, member and postgraduate consortium chair, chair of paper selection committee for upcoming CAADRIA2012

**Design Research Society (DRS)**, fellow

**China Industrial Designers Association (CIDA)**, member

## Work experience and projects

### 1992-1995: **GhK University TV Programme**

Co-founder and project head. Production of monthly TV magazine and talk shows.

### 1994-1996: **Studio Interactive Media (SIM) at Faculty of Psychology, GhK**

Hypertext Theory, Media Science, online and offline multimedia productions.

### 1998-1999: **Central Administration (Public Relations Office), GhK**

University of Kassel's WWW redesign project, development of authoring system *SeSAmE*.

### 1998-1999: **Computer Centre, GhK (informal collaboration)**

Co-development of *SeSAmE*'s programming language *SeL*.

### Since June 2003: **Temple Sagrada Familia, Gaudí School Museum, Barcelona, Spain**

Permanent exhibition of two educational interactive installations on ruled-surface geometry in Gaudí architecture.

2010: **Conference Co-Organizer**. *CAADRIA New Frontiers* at The School of Architecture and Institute of Space & Earth Information Science at the Chinese University of Hong Kong

2010: **Conference Co-Organizer**. *Cybernetics: Art, Design, Mathematics - A Meta-Disciplinary Conversation* at The Curtis R. Priem Experimental Media and Performing Arts Center and the School of Architecture at Rensselaer Polytechnic Institute, Troy NY, U.S.A.

2011: **Conference Co-Organizer**. 2011 ASC Conference on Listening in Richmond, IN, U.S.A.

## Awards, research grants and patents

April 1999: **Research scholarship** at the School of Architecture and Building, Deakin University (Australia).

April 2000: **PhD research grant** by the "Graduiertenförderung des Landes Hessen" at the University of Kassel (Germany).

October 2001: *Investigation of Strategies to Explain Gaudí's Double Helix Columns Using Machine-Readable Models*. **Departmental Research Grant** (Principal Investigator) by SD / HKPU.

April 2002: **Award "Best Paper"**. CAADRIA2002 Conference at the Multimedia University, Cyberjaya (Malaysia).

April 2002: **Award "Best Presentation"**. CAADRIA2002 Conference at the Multimedia University, Cyberjaya (Malaysia).

August 2002: *Designing and Applying Second-Generation Machine-Readable Models*. **Competitive Earmarked Research Grant** (Principal Investigator) by The Research Grants Council (Hong Kong).

October 2004: *Marble Track Music Sequencers For Children*. Research funding from the Dean's Reserve (COM), HK PolyU.

April 2005: *Applying Haptic Programming to Product Design*. **Departmental Research Grant** (Principal Investigator) by SD / HKPU.

November 2005: **Faculty Team Award**. Faculty of Communication, HKPU. With other contributors to the book "Hong Kong - Better by Design"

**Patent** (Hong Kong, 16 March 2006, validity 8 years) *Digital Timing Device and Method for Setting or Adjusting the Timing Device* together with Wing Lau. Patent number HK1083431.

**Patent** (Hong Kong, 16 May 2006, validity 8 years) *Device for Interpreting Manual Symbol Input using Manual Display Element Interaction* together with Wing Lau. Patent number HK1084827.

**Outstanding Professional Services and Innovation Award 2006** by The Hong Kong Polytechnic University and Institute for Enterprise.

March 2007: *Design Education Knowledge as Community Property: Design of a Sharing Resource*. **Internal Competitive Research Grant** (Principal Investigator) by HKPU.

**Postgraduate stipend** (PolyU staff development programme) for PhD studies at RMIT University.

**Outstanding Professional Services and Innovation Award 2007** by The Hong Kong Polytechnic University and Institute for Enterprise together with my PhD student Wing Lau.

October 2008: **Fellowship of the Design Research Society**.

August 2011: **The Warren McCulloch Award** of the American Society for Cybernetics.

## Award-Winning Student Work

Final-year BA(Hons) in Industrial and product Design student TSANG Ka Ki Monica has won the **Red Dot Award** 2006 for high design quality as well as the **DesignSmart Young Design Talent Award** 2007 with her tableware design *Plate Tectonics*.

2nd-year BA(Hons) in Industrial and product Design student LAW Ka Yee Winnie has won an a placement in the **Sony Student Design Workshop** in 2006 in Shanghai, then has won the **Sony Design Award for Best Family Unification Product** and had her project titled *Family Photo Sharing Set* exhibited on the **2006 Shanghai Design Biennial**.

Final-year BA(Hons) in Industrial and product Design student MAK Wing Shan Angel has won a **2007 scholarship from the Industrial Designers Society of Hong Kong** for her project *ButtonFree*.

Final-year BA(Hons) in Industrial and product Design student Cheung Wai Chun Kevin has won the **2009 SDAA outstanding graduate award** as well as the **COW/2009 International Design Festival's 2nd prize (Product Design)** for his project *Shellody*.

I supervised students Andi Barlianto, Ayusta Panjaya, Ricky Priambodo and Yeddid Yonatan E.D. designing *Nano Tower* for the Postgraduate **IDEERS2010 Earthquake Engineering Research Competition**, for which they won the **Most Creative Structural Design Engineering Award**.

## Theses

**Thomas Fischer: Hypertext – Strukturen und didaktisches Potential.** MEd equivalent thesis. June 1996. Department of Education, University of Kassel, Germany

**Thomas Fischer: Eine Mustersprache für das Design von Autorensystemen. Eine Anwendung des Open-Source-Entwicklungsmodells auf Entwurf und Herstellung von Lernsoftware** PhD thesis, self-published June 2001. Department of Education, University of Kassel, Germany

**Thomas Fischer: Designing (tools(for designing(tools(for ...))))** PhD thesis. Published via Australasian Digital Theses Program 2008, School of Architecture and Design. RMIT University, Melbourne, Australia

## Book translation

**Ricardo B. Uribe: Tractatus Paradoxico-Philosophicus. A Philosophical Approach to Education.** Red Edition, 1991. Translation from Spanish/English to German

## Book chapters

**Thomas Fischer: Listening to Design. Learning from the Music Industry.** In: Lo, Alice (ed.): *Navigating Design. A Voyage of Discovery.* The Hong Kong Polytechnic University with Hong Kong Arts Development Council, April 2003, pp. 370-387

**Catherine Hu and Thomas Fischer: Designing Interactivity.** In: Lo, Alice (ed.): *Navigating Design. A Voyage of Discovery.* The Hong Kong Polytechnic University with Hong Kong Arts Development Council, April 2003, pp. 446-455

**Thomas Fischer: Mass Customization and Generative Design.** In: Leung, Tin-pui (ed.): *Kong Kong: Better by Design.* School of Design. The Hong Kong Polytechnic University, October 2004, pp. 446-455

**Thomas Fischer: Und aus Welchem Fachbereich Kommen Sie?** In: Raap, Heike and Zerweck, Philip (eds.): *Die Verbesserung von Mitteleuropa steht nicht mehr auf meinem Plan. Eine Festschrift zur Verabschiedung von Hans Dehlinger.* Books on Demand GmbH, Norderstedt, 2004, pp. 92-100

**Thomas Fischer and John Frazer: Modeling Architecture as Logic States in Space and Time: History and Future of the Universal Constructor.** In: Mao-lin Chiu (ed.): *Insights of Smart Environments.* CAAD Talks 5. Archidata, Taipei, 2005, pp. 87-104. In English and Chinese language

## Journal papers

**Thomas Fischer, Christiane M. Herr, Mark Burry and John Frazer: Tangible Interfaces to Explain Gaudí's Use of Ruled-Surface Geometries. Interactive Systems Design for Haptic, Non-Verbal Learning.** *Automation in Construction* Vol. 12, Issue 5 (September 2003), pp. 467-471

**Philip Wong and Thomas Fischer: Object-Oriented Clusters. A Proposal for a New Parallel Processing Paradigm.** Wang, Xian-Tao (ed.): *Journal of Guizhou University of Technology.* Guizhou University of Technology, Guiyang 2002. Vol. 31 No. 4, pp. 27-32

**Thomas Fischer, Mark Burry and John Frazer: *Triangulation of Generative Form for Parametric Design and Rapid Prototyping*.** *Automation in Construction* Vol. 14, Issue 2 (March 2005), pp. 233-240

**Thomas Fischer and Torben Fischer: *Toolmaking for Digital Morphogenesis*.** Proctor, George and Jabi, Wassim (eds.): *International Journal of Design Computing*, Vol. 6, 2003

**Thomas Fischer: *Notes on Modeling Evolutionary Directionality*.** *World Scientific and Engineering Academy and Society Transactions on Systems*, Issue 2, Volume 3, April 2004, pp. 579-583

**Catherine Hu and Thomas Fischer: *Cultural Perception and Technique as Constraints in Computational Design Evolution: A Case Study of Generative Chinese Typography*.** *World Scientific and Engineering Academy and Society Transactions on Information Science and Applications*, Issue 1, Volume 1, July 2004, pp. 292-297

**Thomas Fischer: *Teaching Programming for and with Microcontroller-Enhanced Physical Models*.** *International Journal of Architectural Computing*, January 2005, Vol. 3, No. 1, pp. 57-74

**Thomas Fischer: *Rationalising Bubble Trusses for Batch Production*.** *Automation in Construction*, Volume 16, Issue 1 (January 2007), pp. 45-53

**Thomas Fischer, Tomohiro Fukuda, Zhou Qi (eds.): *Editorial*.** *International Journal of Architectural Computing* - Special Focus Issue on Computational Geometry and Design Exploration, Issue 4, Volume 5, pp. iii-vi

**Peter Dean and Thomas Fischer: *Toy Safety or Toying with Safety? A Diplomacy of Pointing Fingers and Saving Face in the Name of the Consumer Protection*.** *Harvard Asia Pacific Review*, Volume 9, Issue 2 (Spring 2008), pp. 35-37

**Thomas Fischer: *Onion Rings You Cannot See and a Theremin I Cannot Play*.** In: *Patterns*, the Newsletter of the American Society for Cybernetics, Fall 2008

**Christiane M. Herr and Thomas Fischer: *Digital Drifting: Minimally Instructive Education for Tool-Based Creativity in Asia*.** In: *Cybernetics and Human Knowing*, Volume 17, Numbers 1 and 2 (Spring 2010), pp. 37-57

**Thomas Fischer: *When is Analog? When is Digital?*** In: *Kybernetes*, Volume 40, Issues 7/8 (Fall 2011), pp. 1004-1014

## Conference papers

**Thomas Fischer: *Dynamic WWW Style Processing with SeSAME*.** In: Sarlin, Kirstel (ed.): EUNIS99. Information Technology Shaping European Universities (Conference Proceedings). Helsinki University of Technology, Espoo 1999, pp. 67-72

**Thomas Fischer, Mark Burry and Robert Woodbury: *Object-Oriented Modelling in Computer-Aided Architectural and Educational CAD*.** In: Beng-Tiang Tan et. al (eds.): CAADRIA2000. Proceedings of the Fifth Conference on Computer Aided Architectural Design Research in Asia, National University of Singapore 2000, pp. 145-155

**Lorne Falk, Cristiano Ceccato, Catherine Hu, Philip Wong and Thomas Fischer: *Towards a Networked Education in Design***. In: Beng-Tiang Tan et. al (eds.): CAADRIA2000. Proceedings of the Fifth Conference on Computer Aided Architectural Design Research in Asia, Singapore 2000, pp. 157-167

**Cristiano Ceccato, Lorne Falk and Thomas Fischer: *The Silk Road: An Interactive Online Encyclopedia as a Foundation for Networked Education in Design***. In: Kos, Jose Ripper (ed.): SIGRADI2000 Conference Proceedings, Facultad de Arquitectura - Universidad Nacional de Mar del Plata, Rio de Janeiro, Brazil 2000

**Thomas Fischer, Christiane M. Herr and Cristiano Ceccato: *Towards Real Time Interaction Visualization in Networked Education in Design***. In: Clayton, M. J.: ACADIA2000 Conference Proceedings, Catholic University, Washington D.C. 2000

**Thomas Fischer, Cristiano Ceccato and John Frazer: *Haptic Programming with Machine-Readable Models***. In: Mark Burry et al. (eds.): The Proceedings of Mathematics and Design 2001. The Third International Conference, School of Architecture and Building, Deakin University Australia 2001, pp. 158-165

**Thomas Fischer and Christiane M. Herr: *Teaching Generative Design***. In: Soddu, Celestino et al. (ed.): Proceedings of the 4th Conference and Exhibition on Generative Art 2001. Generative Design Lab, DiAP, Politecnico di Milano University, Italy 2001

**Thomas Fischer, Christiane M. Herr, Mark Burry and John Frazer: *Tangible Interfaces to Explain Gaudí's Use of Ruled-Surface Geometries. Interactive Systems Design for Haptic, Non-Verbal Learning***. In: Eshaq, A. R. M. et al. (eds.): CAADRIA2002. Proceedings of the Seventh Conference on Computer Aided Architectural Design Research in Asia. Faculty of Creative Multimedia, Multimedia University, Cyberjaya, Malaysia. Prentice Hall, New York and London 2002, pp. 131-138

**Philip Wong and Thomas Fischer: *Object-Oriented Clusters. A Proposal for a New Parallel Processing Paradigm***. In: CAD & CG. Proceedings of the Twelfth Conference on Computer Aided Design Research and Computer Graphics. Guizhou University of Technology, Guiyang 2002, pp. 131-136

**Cristiano Ceccato, Thomas Fischer, Gary Li Chun-Man and John Frazer: *A Large-Scale Computing Infrastructure for Design Computation***. In: Koszweski, Krzysztof and Wrona, Stefan (eds.): eCAADe20. Proceedings of the Twentieth Conference on Education in Computer Aided Architectural Design in Europe. Faculty of Architecture, Warsaw University of Technology, Warsaw 2002, pp. 282-289

**Thomas Fischer, Torben Fischer and Cristiano Ceccato: *Distributed Agents for Morphologic and Behavioral Expression in Cellular Design Systems***. In: Proctor, George (ed.): Thresholds. Proceedings of the 2002 Conference of the Association for Computer Aided Design in Architecture. Department of Architecture, College of Environmental Design, California State Polytechnic University, Pomona, Los Angeles, 2002, pp. 113-123

**Robert Amor, Jane Burry, Thomas Fischer, Mark Burry and Robert Woodbury: *Ontology Specification for Design Communication***. In: Luther, Mark (ed.): Architectural Education: From Pedagogy to Adragogy. Proceedings of the 36th Conference of the Australian and New Zealand Architectural Science Association. School of Architecture and Building, Deakin University, Geelong, Australia, 2002, pp. 27-34

**Thomas Fischer, Philip Wong and Mark Luther: *Towards Real-Time Weather Data Visualisation*.** In: Luther, Mark (ed.): *Architectural Education: From Pedagogy to Adragogy*. Proceedings of the 36th Conference of the Australian and New Zealand Architectural Science Association. School of Architecture and Building, Deakin University, Geelong, Australia, 2002, pp. 143-150

**Thomas Fischer: *Computation-Universal Voxel Automata as Material for Generative Design Education*.** In: Soddu, Celestino (ed.): *The Proceedings of the 5th Conference and Exhibition on Generative Art 2002*. Generative Design Lab, DiAP, Politecnico di Milano University, Italy 2002, pp. 10.1-10.11

**Thomas Fischer, Mark Burry and John Frazer: *How to Plant a Subway System*.** In: Chiu, Mao-Lin et al. (eds.): *Digital Design - Research and Practice*. The Proceedings of the Tenth International Conference on Computer Aided Architectural Design Futures. Kluwer Academic Publishers, Dordrecht, Boston and London 2003, pp. 403- 412

**Thomas Fischer and Torben Fischer: *Parametric Voxel Geometry Control for Digital Morphogenesis*.** Proceedings of the 19th European Workshop on Computational Geometry 2003. Institute of Computer Science I, University of Bonn, Germany, pp. 35-40

**Thomas Fischer, Mark Burry and John Frazer: *Triangulation of Generative Form for Parametric Design and Rapid Prototyping*.** In: Dokonal, Wolfgang and Hirschberg, Urs (eds.): *Digital Design*. Proceedings of the 21<sup>st</sup> International eCAADe Conference 2003. Graz University of Technology, Austria, pp. 441-447

**Thomas Fischer: *On the Art of Designing Science*.** In: Soddu, Celestino et al. (ed.): *The Proceedings of the 6th Conference and Exhibition on Generative Art 2003*. Generative Design Lab, DiAP, Politecnico di Milano University, Italy 2003, pp. 352-363

**Thomas Fischer: *Notes on Modeling Evolutionary Directionality*.** In: Mastorakis, Nikos E. and Borboni, Alberto (eds.): *Proceedings of the 5th WSEAS International Conference on Evolutionary Computation (EC'04)*, Udine, Italy

**Christiane M. Herr and Thomas Fischer: *Using Hardware Cellular Automata to Simulate Use in Adaptive Architecture*.** In: Hyun Soo Lee and Jin Won Choi: *Proceedings of the Ninth CAADRIA Conference*. Institute of Millennium Environmental Design and Research, Yonsei University Press, Korea 2004, pp. 815-828

**Catherine Hu and Thomas Fischer: *Cultural Perception and Technique as Constraints in Computational Design Evolution: A Case Study of Generative Chinese Typography*.** In: Manikopoulos, M. et al. (eds.): *Proceedings of the 8th WSEAS International Conference on Computers (part of the 8th CSCC Multiconference)*, Athens, Greece, 2004

**Thomas Fischer and Christiane M. Herr: *Identity Crisis and High-Speed Urbanism. Form and Morphogenetic Process as Generators of Design Identity*.** In: Soddu, Celestino: *Proceedings of the AsiaLink Seminar De Identitate (pre-print)*. Rome, Italy, 2004, pp. 109-116

**Thomas Fischer: *Microcontroller-Enhanced Physical Models for Architecture and Product Design*.** In: Rüdiger, Bjarne et al. (eds.): *Proceedings of the 22nd eCAADe Conference 2004*, School of Architecture, Royal Danish Academy of Fine Arts, Copenhagen, Denmark, 2004, pp. 396-403

**Thomas Fischer: *Generation of Apparently Irregular Truss Structures*.** In: Martens, Bob and Brown, André (eds.): *Computer Aided Architectural Design Futures 2005*. The Proceedings of the Eleventh International Conference on CAAD Futures. Springer Verlag, Dordrecht, 2005, pp. 229-238

**Christiane M. Herr, Thomas Fischer, Wang Hao Feng and Ren Wei: *Demand-Driven Generative Design of Sustainable Housing for China*.** In: Tsou Jin-Yeu et al. (eds.): Proceedings of the Fifth China Urban Housing Conference, Vol. 2. China Architecture and Building Press, Hong Kong, 2005, pp. 703-710

**Thomas Fischer and Wing Lau: *Marble-Track Music Sequencers for Children*.** In: Hyrskykari, Aulikki (ed.): Proceedings of the Fifth International Conference for Interaction and Children. University of Tampere, Finland, 2006, pp.141-144

**Thomas Fischer and Christiane M. Herr: *The Designer as Toolbreaker? Probing Tool Use in Applied Generative Design*.** In: Yu Gang, Zhou Qi and Dong Wei (eds.): CAADRIA 2007. The Proceedings of The Twelfth International Conference on Computer-Aided Architectural Design Research in Asia. Southeast University Press, Nanjing, China, 2007, pp. 367-375

**Thomas Fischer: *Enablement or Restriction? On Supporting Others in Making (Sense of Things)*.** In: Andy Dong, Andrew Vande Moere and John Gero (eds.): Computer Aided Architectural Design Futures 2007. Proceedings of the Twelfth International Conference on CAAD Futures, Springer Verlag, Dordrecht, 2007, pp. 585-598

**Thomas Fischer: *Obstructed Magic. On the Myths of Observing Designing and of Sharing Design Observations*.** In: Walaiporn Nakpan, Ekkachai Mahaek, Komson Teeraparbwong and Piyaboon Nilkaew (eds.): CAADRIA 2008. the Proceedings of The Thirteenth International Conference on Computer-Aided Architectural Design Research in Asia. Pimniyom Press, Chiang Mai, Thailand, 2008, pp. 278-284

**Thomas Fischer: *Reassessing Rigour, Re-Cycling Research. Towards a Conversation on the Form of Enquiry*.** In: Teng-Wen Chang, Eric Champion, Sheng-Fen Chien and Shang-Chia Chiou (eds.): CAADRIA 2009. The Proceedings of the 14th International Conference on Computer-Aided Architectural Design Research in Asia. Department of Digital Media Design, National Yunlin University of Science and Technology, Douliou, Taiwan, 2009, pp. 791-795

**Thomas Fischer: *The Interdependence of Linear and Circular Causality in CAAD Research: A Unified Model*.** In: Dave, Bharat; Andrew I-kang Li, Ning Gu and Hyoung-June Park (eds.): CAADRIA2010. New Frontiers, Proceedings of the 15th International Conference on Computer Aided Architectural Design Research in Asia, The School of Architecture and Institute of Space & Earth Information Science at the Chinese University of Hong Kong, pp. 609-618

**Thomas Fischer: *One-Behind-The-Many Metaphysics and the Myriad Things*.** In: Christiane M. Herr, Ning Gu, Stanislav Roudavski, Marc A. Schnabel (eds.), Circuit Bending, Breaking and Mending: Proceedings of the 16th International Conference on Computer-Aided Architectural Design Research in Asia CAADRIA 2011, School of Architecture and Built Environment, The University of Newcastle, Australia, pp. 605-614

**Hsu Hao-Po and Thomas Fischer: *Retelling the Story of Design: Probing the Reliability of Interviews in Research About Design*.** In: *6th International Conference on Planning and Design*, National Cheng Kung University, Tainan, Taiwan

**Thomas Fischer and Ranulph Glanville: *Besides Designing to Interact: Interacting to Design*.** In: Proceedings of the 2011 International Conference on Interaction Design, School of Design, The Hong Kong Polytechnic University, forthcoming

## **Studio Teaching and Lecturing**

Outcomes of product design studio teaching can be found at:

[http://myweb.ncku.edu.tw/~tfischer/tfischer\\_TeachingPortfolio.pdf](http://myweb.ncku.edu.tw/~tfischer/tfischer_TeachingPortfolio.pdf)

Video recordings of some lectures and presentations can be found at:

<http://www.youtube.com/sdtompolyu>

## **Computing skills**

Advanced / expert level usage of various user applications and operating systems.

Programming languages: Basic, Visual Basic, Turbo Pascal, ANSI C, LaTeX2e, Bourne Shell, Perl, PHP, Python, (dynamic) HTML, VRML, XML, JavaScript, Flash ActionScript, Java(3D), VBA/Rhinoscript, Microcontroller PicBasic (Pro), SeL, Smalltalk, SQL.

Content management systems: Joomla, Wordpress

## **Sports**

Mountain biking, long distance running.

## **Academic Referees**

Prof. Ranulph Glanville, CybernEthics Research, UK; [ranulph@glanville.co.uk](mailto:ranulph@glanville.co.uk)

Prof. Mark Burry, Innovation Professor of Architecture, RMIT; [mburry@rmit.edu.au](mailto:mburry@rmit.edu.au)

Cristiano Ceccato, Lead Architect, Zaha Hadid Architects Ltd.; [Cristiano.Ceccato@zaha-hadid.com](mailto:Cristiano.Ceccato@zaha-hadid.com)