

PERSONAL INFORMATION

*Born in Germany, 1972*  
*citizenship* German, HK permanent and China resident  
*family* married, two children  
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SUMMARY

Design educator and researcher / epistemologist / cybernetician studying creativity and machine logic through practice, education and critical reflection.

ACADEMIC EXPERIENCE

*Xi'an Jiaotong-Liverpool University*      *2011–present*      Associate Professor, XJTLU — China  
Founding member of, and Associate Professor at the Department of Architecture. Acting Head of Department of Architecture 2011-2013, Founding Director of XJTLU's Design Research Institute 2013-2015. Director of Design Research Centre, Architecture Graduate Studies Officer, Architecture New Masters Programmes Coordinator. Open-ended employment contract.

*The Hong Kong Polytechnic University*      *2018–present*      Visiting Associate Professor,  
*1999–2010*      Assistant Professor, SD POLYU — Hong Kong  
Research Associate (1999-2001), Lecturer (2001–2008), Assistant Professor and Industrial and Product Design Discipline Leader (2008-2010), Visiting Associate Professor (ongoing) at the School of Design. Research and teaching in Industrial and Product Design, Environmental Design and Interactive Systems Design. Curriculum planning and teaching at undergraduate, Masters and PhD level.

*Humboldt University*      *2016–2017*      HUMBOLDT UNIVERSITY BERLIN — Germany  
Visiting Researcher at the Institute of Musicology and Media Studies at Humboldt University Berlin. Research and undergraduate teaching in media cybernetics.

*National Cheng Kung University*      *2010–2011*      Visiting Associate Professor, NCKU — Taiwan  
Visiting Associate Professor at College of Planning and Design. Research as well as teaching and curriculum development at Masters and PhD level.

*Shenzhen University*      *Sep–Oct 2008*      Visiting Professor, SZU — China  
Visiting Professor at The College of Architecture and Urban Planning. Delivered creative innovation workshop and related lectures/discussions.

*Deakin University*      *Apr–Sep 1999*      DEAKIN UNIVERSITY — Australia  
Visiting Scholar. Metadata specification for Construction Primer online learning database, educational software prototyping.

## EDUCATION

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|---|---|
| <i>PhD in<br/>Architecture<br/>and Design</i> | 2002–2008 RMIT University, Australia<br>Spatial Information Architecture Laboratory<br>Thesis: <i>Designing (tools (for designing (tools (for ...))))</i><br>Advisors: Prof. Mark BURRY, Prof. John FRAZER & Prof. Ranulph GLANVILLE                    |
| <i>PhD in<br/>Education</i>                   | 1997-2001 University of Kassel, Germany<br>Department of Education (FB1)<br>Thesis: <i>Eine Mustersprache für das Design von Autorensystemen</i><br>Advisors: Prof. Wilhelm SANKE & Prof. Hans DEHLINGER  |
| <i>Master of<br/>Education<br/>equivalent</i> | 1992-1996 University of Kassel, Germany<br>Department of Education (FB1)<br>Thesis: <i>Hypertext: Strukturen und Didaktisches Potenzial</i><br>Leading to the degree “Erstes Staatsexamen für das Lehramt an Gymnasien”<br>Advisor: Prof. Wilhelm SANKE |

## MEMBERSHIPS

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|---------|---|
| ASC     | American Society for Cybernetics – Vice President (Electronic Publishing) |
| DRS     | Design Research Society – Fellow  |
| CAADRIA | Computer-Aided Architectural Design Research in Asia – Member             |
| ASA     | Architectural Science Association – Member                                |
| IEEE    | The Institute of Electrical and Electronics Engineers – Member            |
| ISSS    | International Society for the Systems Sciences – Member                   |
| HKDA    | Hong Kong Designers Association – Member                                  |

## RESEARCH AND PROJECT GRANTS

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| <i>proposal<br/>pending</i>          | XJTTLU Teaching Development Fund, “XJTTLU Thesis Popsicle: Productising and Distributing a Workflow for Academic Excellence”, primary investigator, RMB52,500.                        |
| <i>proposal<br/>pending</i>          | XJTTLU Research Development Fund / PhD Scholarship, “Toolmaking in Parametric Façade Design”, primary supervisor, RMB366,000.   |
| <i>01 Jul 2018 –<br/>30 Jun 2021</i> | XJTTLU Research Development Fund / PhD Scholarship, project code RDF-17-01-57 “Architectural Devices as Catalysts for Urban Transformation”, primary supervisor, RMB366,000.          |
| <i>20 Jun 2016 –<br/>26 Aug 2016</i> | XJTTLU Summer Undergraduate Research Fellowship (SURF) project “Challenges to the Adoption of BIM in Chinese Architecture, Engineering and Construction”, co-investigator, RMB11,500. |
| <i>13 Jun 2015 –<br/>28 Aug 2015</i> | XJTTLU Summer Undergraduate Research Fellowship (SURF) project “Online Parametric Customisation of 3DPrinted Buildings”, co-investigator, RMB9,500.                                   |
| <i>01 Jan 2014 –<br/>31 Oct 2014</i> | Design Research Institute special budget for “Design Research: Shared Territories” Exhibition, together with Marian Macken and Anuradha Chatterjee, RMB55,000.                        |

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| 01 May 2015 –<br>31 Mar 2017 | XJTLU Research Development Fund, project code RDF-14-02-41 “Perceptions of Creative Direction-Giving in Design Teams”, primary investigator, RMB89,000.  |
| 16 Jun 2014 –<br>31 Aug 2014 | XJTLU Summer Undergraduate Research Fellowship (SURF) project “Weaving Code”, primary investigator, RMB9,000.  |
| 31 May 2012 –<br>31 May 2013 | XJTLU Research Development Fund, project code RDF-11-02-12 “Perceptions of Leading and of Being Led in Design Conversations”, primary investigator, RMB27,000.   |
| 15 Sep 2007 –<br>14 Mar 2009 | HK PolyU School of Design RGC Internal Competitive Research Grant, project code A-PH34 “Design Education Knowledge as Community Property: Design of a Sharing Resource”, primary investigator, HK\$95,240.               |
| 31 Jul 2006 –<br>31 Jul 2007 | PolyU PhD scholarship (staff development programme) in support of PhD studies at RMIT, Australia, HK\$100,000.   |
| 3 May 2005 –<br>27 Feb 2009  | HK PolyU Internal Competitive Research Grant, project code G-YC48 “Applying Haptic Programming in Product Design”, primary investigator, HK\$178,500.  |
| 1 Nov 2004 –<br>31 Mar 2006  | HK PolyU Faculty of Communication, Dean’s Reserve, project code 1-ZV12 “Ergonomics and Usability in Keyboard Design”, co-investigator, HK\$53,500.   |
| 1 Aug 2002 –<br>31 Jul 2005  | HK RGC General Research Fund, project code B-Q628 “Designing and Applying Second Generation Machine-Readable Models”, primary investigator, HK\$433,404.   |
| 1 Nov 2001 –<br>30 Apr 2002  | HK PolyU School of Design Departmental General Research Fund, project code G-T448 “Investigation of Strategies to Explain Gaudí’s Double Helix Columns Using Machine-Readable Models”, primary investigator, HK\$58,910. |
| 15 Apr 2000 –<br>10 Sep 2004 | HK PolyU Internal Competitive Research Grant, project code G-YC48 “The Graphical User Interface in Virtual Reality - A Study on Immersive Navigation Systems”, co-investigator, HK\$85,000.                              |
| 1 Mar 2000 –<br>31 Dec 2004  | HK PolyU School of Design RGC Internal Competitive Research Grant, project code A-PB84 “Distributed and Autonomous Intelligent Agents in Physical and Virtual Environments”, primary investigator, HK\$180,000.          |
| 31 Jan 2000 –<br>31 Jan 2002 | HK PolyU Earmarked Provision for Special Purposes, “DMAN: Digital Media Access network”, project leader, HK\$7,000,000 plus annual service and maintenance budgets.  |
| Apr 2000                     | Graduierföderung des Landes Hessen, University of Kassel (Germany), EUR1,000.  |
| 01 Apr 1999 –<br>30 Sep 1999 | Deakin University (Australia), Visiting Scholar Allowance, AUD3,000.   |

## SERVICE

### *Exec Board Membership*

Executive board member of the American Society for Cybernetics since 2009, currently in the role of Vice President for Electronic Publishing (Secretary between 2009 and 2014).

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| <i>Conference Organisation</i>              | Conference co-organiser of the annual conferences of the American Society for Cybernetics in 2010, 2011, 2012, 2013, 2014, 2016 and 2017, as well as of the annual conferences of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA) in 2010 and in 2017.   |
| <i>Editing</i>                              | First editor of the <i>Proceedings of the 17th International Conference on Computer Aided Architectural Design Research in Asia</i> in 2012, of Volume 5, Issue 4 and Volume 10, Issue 4 of the <i>International Journal of Architectural Computing</i> , as well as of Volume 31, Issue 1 of <i>Cybernetics and Human Knowing</i> .  |
| <i>Editorial Board Membership</i>           | Editorial board member of the <i>International Journal of Architectural Computing</i> since 2012.   |
| <i>Postgraduate Consortium Coordination</i> | Postgraduate Consortium Co-Chair of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA) 2008-2012. Invited panelist 2014.  |
| <i>University Administration</i>            | Industrial and Product Design Discipline Leader at the School of Design at The Hong Kong Polytechnic University 2008-2010, Acting Head of the XJTLU Department of Architecture 2011-2013, Director of the XJTLU Design Research Institute since 2013. Chairmanship and membership in various university and departmental committees and work groups. Developed and/or revised 10+ design-related curricula at undergraduate and postgraduate levels. Leadership and participation in various academic outreach, recruitment and promotion activities. |

## AWARDS

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| <i>Nov 2017</i> | Certificate of Achievement from the international journal <i>Architectural Science Review</i> recognising Thomas FISCHER, 2014: Scientific Research into Designing, While Doing Justice to Designing, <i>Architectural Science Review</i> , Volume 57, Issue 4, pp. 240–248 as one of the journal's most-cited articles of the past 10 years. |
| <i>Dec 2015</i> | Outstanding Research Paper Award at the 8th Suzhou Academic Conference on Social Science (苏州市哲学社会科学界第八届学术大会征文) of the Suzhou Association of Philosophy and Social Science(苏州市哲学社科联合会): Third Prize for paper titled 参与，而非保护 — 传统工艺的计算学方法 ( <i>Participation, not Conservation. A Computing Approach to Traditional Craft</i> ).               |
| <i>Apr 2015</i> | Recipient of the 2014-2015 Inspiring XJTLU Person of the Year Award together with Christiane M. Herr, by students' popular vote.  |
| <i>Oct 2013</i> | Winner of the 2013-2014 Annual XJTLU Teaching Prize for Innovative Teaching Practices as leader of a team conducting an exercise on Architectural Typograms.  |
| <i>Jul 2013</i> | Best Paper Award of the journal <i>Kybernetes</i> for the paper <i>Enigmatic Mechanisms in Defense of the Capability to Have New Ideas</i> .  |
| <i>Dec 2011</i> | Named Long-Term Leading Talent in Jinji Lake Double Hundred Talents award programme (5-year reward).  |
| <i>Aug 2011</i> | Warren McCulloch Award of the American Society for Cybernetics.   |
| <i>Oct 2008</i> | Named Fellow of the Design Research Society.  |

- 2007 Outstanding Professional Services and Innovation Award by The Hong Kong Polytechnic University and Institute for Enterprise together with my PhD student Wing C. Lau.
- 2006 Outstanding Professional Services and Innovation Award by The Hong Kong Polytechnic University and Institute for Enterprise.
- Nov 2005 Faculty Team Award. Faculty of Communication, The Hong Kong Polytechnic University. With other contributors for the book *Hong Kong – Better by Design*.
- Apr 2002 Best Presentation Award. 2002 conference of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA) at the Multimedia University, Malaysia.
- Apr 2002 Best Paper Award. 2002 conference of the Association for Computer-Aided Architectural Design Research in Asia (CAADRIA) at the Multimedia University, Malaysia.

#### STUDENTS' AWARDS

- IDEERS*  
2015 I co-supervised 3rd-year students Li Shaokang, Qian Shiyu, Yang Shihao and Zhang Xu as well as their support team Shao Fuwei, Li Jiaxu, Du Hanxi and Shen Xiaoya designing *Stronger Together*. It won the the First Prize in Structural (Engineering) Design, the Most Preferable (public choice) Award, and a nomination (top six out of 42 competing teams) for Most Creative Architectural (Art) Design, as well as an Earthquake Safety Certificate in the undergraduate category of the IDEERS2015 Earthquake Engineering Research Competition.
- Flying Cloud*  
2014 My 2nd-year BEng Industrial Design students Hu Xiaoyi, Gao Tongwei, He Lei, and Mao Xinyi designed *Hello China*, which won the 2014 (“Flying Cloud”) Innovation and Entrepreneurship competition organised by the Suzhou Industrial Park Science and Technology Development Association and the Suzhou Industrial Park Cloud Computing Industry Association. The award included RMB300,000 for the commercial development of the project.
- XJTLU*  
2014 My 2nd year undergraduate students Enbo Hu, Yifeng Zou, Jiajie Xiao, Min Wu, Yuexuan Wu, Zihang Dan won an Honorable Mention at XJTLU Sixth Innovative Entrepreneurship Competition for their project *Gadget Radar*.
- IDEERS*  
2014 I co-supervised 3rd-year students Liao Longtai, You Jie, Xie Minghuan and Wang Weiping designing *Smooth Tower*, which won the the First Prize in Most Creative Structural (Engineering) Design, the First Prize in Most Creative Architectural (Art) Design, an Earthquake Safety Certificate and a runner-up position for the Most Preferable (public choice) Award in the undergraduate category of the IDEERS2014 Earthquake Engineering Research Competition.
- IDEERS*  
2013 I co-supervised 3rd-year students Li Jiehan, Li Yirong, Gu Mengxue and Cai Xinting designing *Woven Tower*, which won the the First Prize in Most Creative Structural (Engineering) Design, the Second Prize in Most Creative Architectural (Art) Design, and the Most Preferable (public choice) Award in the undergraduate category of the IDEERS2013 Earthquake Engineering Research Competition, and Zhu Haoruo, Wang Siyao, Nan Fang and Xiong Henan who won an Earthquake Safety Certificate with *Interwoven Tower* in the same competition and category.
- IDEERS*  
2010 I supervised students Andi Barlianto, Ayusta Panjaya, Ricky Priambodo and Yeddid Yonatan E.D. designing *Nano Tower*, which won the Most Creative Structural Design Engineering Award in the postgraduate category of the IDEERS2010 Earthquake Engineering Research Competition.

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|---------------------------------------|---|
| <i>SDAA,<br/>COW/2009</i>             | My final-year BA(Hons) in Industrial and product Design student Cheung Wai Chun Kevin won the 2009 SDAA outstanding graduate award as well as the COW/2009 International Design Festival's 2nd prize (Product Design) for his project <i>Shellody</i> .   |
| <i>IDHK</i>                           | My final-year BA(Hons) in Industrial and product Design student Mak Wing Shan Angel won a 2007 scholarship from the Industrial Designers Society of Hong Kong for her project <i>ButtonFree</i> .   |
| <i>Sony Design<br/>Award</i>          | My 2nd-year BA(Hons) in Industrial and Product Design student Law Ka Yee Winnie won an a placement in the Sony Student Design Workshop in 2006 in Shanghai, where she has won the Sony Design Award for Best Family Unification Product. Her project titled <i>Family Photo Sharing Set</i> was exhibited on the 2006 Shanghai Design Biennial. |
| <i>Red Dot Award,<br/>DesignSmart</i> | My final-year BA(Hons) in Industrial and product Design student Tsang Ka Ki Monica won the Red Dot Award 2006 for high design quality as well as the DesignSmart Young Design Talent Award 2007 with her tableware design <i>Plate Tectonics</i> .  |

#### PATENTS AND PRODUCT LICENCE AGREEMENTS

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|-----------------|--|
| <i>Jun 2008</i> | License agreement with Technical (HK) Manufacturing Ltd. via PolyU Technology & Consultancy Company Ltd. <i>Rotoroast</i> together with student Mak Wing Shan.   |
| <i>Oct 2007</i> | License agreement with Well Group Enterprise Ltd. via PolyU Technology & Consultancy Company Ltd. <i>Truckloads of Knowledge</i> together with student Chan Wing Chi.  |
| <i>May 2006</i> | Hong Kong patent, 16 May 2006, validity 8 years) <i>Device for Interpreting Manual Symbol Input using Manual Display Element Interaction</i> together with PhD student Wing C. Lau. Patent number HK1084827. |
| <i>Mar 2006</i> | Hong Kong patent, 16 March 2006, validity 8 years) <i>Digital Timing Device and Method for Setting or Adjusting the Timing Device</i> together with PhD student Wing C. Lau. Patent number HK1083431.        |

#### EDITING AND CURATING

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|-------------------------------|--|
| <i>Springer</i>               | <i>Jan 2018</i> Springer: Design Research Foundations<br>Design Cybernetics. Navigating the New ( $\approx 350$ pp.)<br>Editors: Thomas FISCHER and Christiane M. HERR, forthcoming              |
| <i>C&amp;HK</i>               | <i>Mar 2016</i> Cybernetics & Human Knowing<br>50th Anniversary Retrospective of the ASC (special issue) Volume 23, Issue 1<br>Editors: Christiane M. HERR, Thomas FISCHER and Ranulph GLANVILLE |
| <i>Shared<br/>Territories</i> | <i>Nov 2014</i> Shared Territories<br>Peer-reviewed Design Research Exhibition at XJTU in Suzhou, China<br>Curators: Anuradha CHATTERJEE, Marian MACKEN and Thomas FISCHER                       |
| <i>IJAC</i>                   | <i>Oct 2013</i><br>International Journal of Architectural Computing<br>Volume 10, Issue 4<br>Editors: Thomas FISCHER, Wendy FOK and Urvi SETH  |

CAADRIA Apr 2012 CAADRIA 2012 Proceedings  
Beyond Codes and Pixels. The Proceedings of the 17th International  
Conference on Computer Aided Architectural Design Research in Asia,  
Hindustan University, Chennai, India (712 pages)  
Editors: Thomas FISCHER, Kaustuv DE BISWAS, Jeremy J. HAM, Ryusuke NAKA  
and Weixin HUANG

IJAC Oct 2005  
International Journal of Architectural Computing  
Special Focus Issue on Computational Geometry and Design Exploration  
Volume 5, Issue 4  
Editors: Thomas FISCHER, Tomohiro FUKUDA and Zhou QI

#### BOOKS

DeGruyter Feb 2018 DeGruyter Studium  
Medientechnisches Wissen Band 2: Logik, Informationstheorie, Kybernetik  
(≈300pp.)  
Authors: Stefan HÖLTGEN, Thomas FISCHER, Thorsten SCHÖLER and Johannes  
MAIBAUM, forthcoming

#### BOOK TRANSLATION

Ricardo B. URIBE, 1991: *Tractatus Paradoxico-Philosophicus. A Philosophical  
Approach to Education*, Red Edition. From Spanish/English to German.  
Translator: Thomas FISCHER

#### REFEREED JOURNAL PUBLICATIONS

- Kybernetes* Thomas FISCHER, 2018: Transcomputability, (Glanville's Corollary of) Ashby's  
Law of Requisite Variety, and Epistemic Processes, *Kybernetes*, open access  
publication pending
- Kybernetes* Thomas FISCHER, 2017: A Cybernetic Perspective on Determinability and  
Design Research, *Kybernetes*, 46(9), 1588-1596, DOI:  
10.1108/k-10-2016-0269.
- Leonardo* Thomas FISCHER and Laurence D. RICHARDS, 2017: From Goal-Oriented to  
Constraint-Oriented Design: The Cybernetic Intersection of Design Theory and  
Systems Theory, *Leonardo Journal*, 50(1), 36-41, DOI:  
10.1162/LEON\_a\_00862.
- C & HK* Thomas FISCHER, 2016: In Ranulph's Terms, *Cybernetics and Human  
Knowing*, 21(1), 87-97.
- IEEE  
Tech. & Soc.* Thomas FISCHER, 2015: Wiener's Prefiguring of a Cybernetic Design Theory,  
*IEEE Technology and Society Magazine*, 34(3), 52-59, DOI:  
10.1109/MTS.2015.2461172.
- C & HK* Thomas FISCHER, 2015: Designing Together, *Cybernetics and Human  
Knowing*, 22(2/3), 131-144.
- Kybernetes* Thomas FISCHER, 2015: Blind Spots Obscuring Circular Causality in Design and  
Elsewhere, *Kybernetes*, 44(8/9), 1233-1239, DOI: 10.1108/K-11-2014-0267.



- Arch. Science Review* Thomas FISCHER, 2014: Scientific Research into Designing, While Doing Justice to Designing, *Architectural Science Review*, 57(4), 240–248, open access, DOI: 10.1080/00038628.2014.958128.
- FoAR* Thomas FISCHER, 2014: Circular Causality and Indeterminism in Machines for Design, *Frontiers of Architectural Research*, 3(4), 368–375, open access, DOI: 10.1016/j.foar.2014.06.003.
- Kybernetes* Thomas FISCHER, 2014: Effects of Variety Reduction and Amplification on Recursively Re-Entering Patterns, *Kybernetes*, 43(9/10), 1330–1337, DOI: 10.1108/K-09-2014-0185.
- Kybernetes* Thomas FISCHER, 2013: Enigmatic Mechanisms in Defense of the Capability to Have New Ideas, *Kybernetes*, 42(9/10), 1374–1386, DOI: 10.1108/K-10-2012-0070.
- JMSS* Christiane M. HERR and Thomas FISCHER, 2013: Systems for Showing and Repurposing: A Second-Order Cybernetic Reflection on some Cellular Automata Projects, *Journal of Mathematics and System Science*, 3(4), 201–216, open access, DOI:10.17265/2159-5291/2013.04.007.
- C & HK* Thomas FISCHER, 2013: The Roles of Listening and Non-Listening in the Formation of Organizational Hierarchies, *Cybernetics and Human Knowing*, 20(1/2), 63–72.
- ArS* Thomas FISCHER, 2012: Geometry Rationalization for Non-Standard Architecture, *Architecture Science*, 5, 25–47.
- AMM* Christiane M. HERR and Thomas FISCHER, 2012: Constructing Cardboard Chairs for Children as a Part of Applied Structural Design Education in Architecture, *Applied Mechanics and Materials*, 174–177, 1604–1610, DOI: 10.4028/www.scientific.net/AMM.174-177.1604.
- AMR* Christiane M. HERR, Thomas FISCHER, Steven S. MILLARD and André BROWN, 2012: Form and Formalism: On the Future Role of Structural Design in Architectural Education in China, *Advanced Materials Research*, 450–451, 257–262, DOI: 10.4028/www.scientific.net/AMR.450-451.257.
- Kybernetes* Thomas FISCHER, 2011: When is Analog? When is Digital? *Kybernetes*, 40(7/8), 1004–1014, DOI: 10.1108/03684921111160232.
- C & HK* Christiane M. HERR and Thomas FISCHER, 2010: Digital Drifting: Minimally Instructive Education for Tool-Based Creativity in Asia, *Cybernetics and Human Knowing*, 17(1/2), 37–57.
- AutCon* Thomas FISCHER, 2007: Rationalising Bubble Trusses for Batch Production, *Automation in Construction*, 16(1), 45–53, DOI: 10.1016/j.autcon.2005.10.004.
- IJAC* Thomas FISCHER, 2005: Teaching Programming for and with Microcontroller-Enhanced Physical Models, *International Journal of Architectural Computing*, 3(1), 57–74, DOI: 10.1260/1478077053739603.
- AutCon* Thomas FISCHER, Mark BURRY and John FRAZER 2005: Triangulation of Generative Form for Parametric Design and Rapid Prototyping, *Automation in Construction*, 14(2), 233–240, DOI: 10.1016/j.autcon.2004.07.004.



- WSEAS Trans. Inf. Sci. Appl.* Catherine HU and Thomas FISCHER, 2004: 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*, 1(1), 292–297.
- WSEAS Trans. Sys.* Thomas FISCHER, 2004: Notes on Modeling Evolutionary Directionality, *World Scientific and Engineering Academy and Society Transactions on Systems*, 2(3), 579–583.
- IJDC* Thomas FISCHER and Torben FISCHER, 2003: Toolmaking for Digital Morphogenesis, *International Journal of Design Computing*, 6.
- AutCon* Thomas FISCHER, Christiane M. HERR, Mark BURRY and John FRAZER, 2003: Tangible Interfaces to Explain Gaudí’s Use of Ruled-Surface Geometries, *Automation in Construction*, 12(5), 467–471, DOI: 10.1016/S0926-5805(03)00031-1.
- Jour. Guizhou Univ. Tech.* Philip WONG and Thomas FISCHER, 2002: Object-Oriented Clusters. A Proposal for a New Parallel Processing Paradigm, *Journal of Guizhou University of Technology*, 31(4), 27–32.

#### NON-REFEREED JOURNAL PUBLICATIONS

- GRKG* Thomas FISCHER, 2016: Norbert Wiener’s Antizipation einer Kybernetischen Designtheorie, *Grundlagenstudien aus Kybernetik und Geisteswissenschaften*, 57(4), 240–253.
- Patterns* Thomas FISCHER, 2008: Onion Rings You Cannot See and a Theremin I Cannot Play, *Patterns*, Fall 2008.
- Harvard Asia Pacific Review* Peter DEAN and Thomas FISCHER, 2008: 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*, 9(2), 35–37.

#### BOOK CHAPTERS

- Design Cybernetics* Thomas FISCHER, 2018: From “Failure is Not an Option” to “Fail. Fail Again. Fail Better.”, in: Thomas FISCHER and Christiane M. HERR (eds.), *Design Cybernetics. Navigating the New*, Springer (Design Research Foundations), London, forthcoming.
- Medientechnisches Wissen* Thomas FISCHER, 2018: Kybernetik für Medienwissenschaftler, in: Stefan HÖLTGEN, Thomas FISCHER, Thorsten SCHÖLER and Johannes MAIBAUM (eds.), *Medientechnisches Wissen Band 2: Programmierung, Kybernetik, Informatik*, DeGruyter, Oldenburg, forthcoming.
- London and the 1960s* Thomas FISCHER, 2016: Defaceable System MK 4 and Brent Shopping Yr 3, in: Marianne ERTL, Werner KORN and Albert MÜLLER (eds.), *Ranulph Glanville. Art Architecture Cybernetics Design. London and the 1960s*, Edition Echorama, Vienna, pp. 63–70.

- Architecture of Ideas* Thomas FISCHER, 2016: Tracks Left by a Walk Walked, in: William SEAMAN (ed.), *From the Architecture of Ideas. The Life and Work of Ranulph Glanville - Cybernetician*, forthcoming.
- Change Ahead* Thomas FISCHER, 2015: Circular Regeneration, in: Carola VERSCHOOR (ed.), *Change Ahead: How Research and Design are Transforming Business Strategy*, BIS Publishers, Amsterdam, pp. 219–220.
- Critical Concepts in Architecture* Thomas FISCHER, 2015: The Interdependence of Linear and Circular Causality in CAAD Research: A Unified Model, in: Mark BURRY (ed.), *Digital Architecture. Critical Concepts in Architecture*, Routledge, London, to be released in August 2016.
- Trojan Horses* Thomas FISCHER, Christiane M. HERR and Timothy JACHNA, 2012: Pipe-Dreams of the Abstract and the Concrete (i.e. of the General and the Particular), in: Ranulph GLANVILLE (ed.), *Trojan Horses. A Rattle Bag from the “Cybernetics: Art, Design, Mathematics – A Meta-Disciplinary Conversation” post-conference workshop*, Edition Echoraum series, Vienna, pp. 19–27.
- CAAD Talks* Thomas FISCHER and John FRAZER, 2005: Modeling Architecture as Logic States in Space and Time: History and Future of the Universal Constructor (in English and Chinese), in: Mao-lin CHIU (ed.), *Insights of Smart Environments. CAAD Talks 5*, Archidata, Taipei, pp. 87–104.
- Festschrift Hans Dehlinger* Thomas FISCHER, 2004: Und aus Welchem Fachbereich Kommen Sie?, in: Heike RAAP and Philip ZERWECK (eds.), *Die Verbesserung von Mitteleuropa steht nicht mehr auf meinem Plan. Eine Festschrift zur Verabschiedung von Hans Dehlinger*, Books on Demand, Norderstedt, pp. 92–100.
- Hong Hong Better by Design* Thomas FISCHER, 2004: Mass Customization and Generative Design, in: Tin Pui LEUNG (ed.), *Kong Kong: Better by Design*, The Hong Kong Polytechnic University, Hong Kong, pp. 119–130.
- Navigating Design* Thomas FISCHER and Catherine HU, 2003: Designing Interactivity, in: Alice Lo (ed.), *Navigating Design. A Voyage of Discovery*, The Hong Kong Polytechnic University with Hong Kong Arts Development Council, Hong Kong, pp. 446–455.
- Navigating Design* Thomas FISCHER, 2003: Listening to Design. Learning from the Music Industry, in: Alice Lo (ed.), *Navigating Design. A Voyage of Discovery*, The Hong Kong Polytechnic University with Hong Kong Arts Development Council, Hong Kong, pp. 370–387.

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#### OTHER INFORMATION

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