

Curriculum Vitae – Jaan-Henrik Kain

Personal Data

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Affiliation

Gothenburg Research Institute, University of Gothenburg, Sweden

Research Field

My primary area of research is mechanisms that support or hinder sustainable urban development or even moving beyond sustainability. The point of departure is to see buildings, neighbourhoods, cities and regions as interlinked urban networks and/or systems (people, social interaction, social space, housing, business, greenery, land, transport, information, etc), where each such network/system is typically made up of various subsystems. Anchored in the fields of architecture and planning, I have been involved in numerous action-oriented research projects, often involving facilitation of multi-stakeholder learning processes. Current research and innovation projects include topics, such as urban compactness, collaborative housing, urban ecosystem services and bio-based production, circular economy, remediation of brownfields, gamification, VR/AR, collective intelligence, and participatory planning for waste, water and sanitation provision. These projects take place in Swedish, European, African and Latin American contexts.

Present employment

01/12/2020-ongoing Senior Researcher, Gothenburg Research Institute.

Previous academic employment

19/04/2016-30/06/2022 Professor (bitr. prof.), Dept. of Architecture and Civil Engineering, Chalmers University of Technology.

01/10/2010-18/04/2016 Assoc. Professor (docenttjänst), Chalmers Architecture.

01/11/2008-30/09/2010 Senior Researcher, Chalmers Architecture

01/11/2004-31/10/2008 Assistant Professor, Chalmers Architecture.

14/06/2003-31/10/2004 Researcher (post doc), Chalmers Architecture

13/10/1997-13/06/2003 Doctoral candidate, Chalmers Architecture

Degrees and Education

10/06/2009 **Docent**, Urban Design and Planning

10/09/2007 Diploma of Higher Education, Chalmers University of Technology

13/06/2003 **PhD** in Architecture, Chalmers Architecture; Sociotechnical Knowledge: An Operationalised Approach to Localised Infrastructure Planning and Sustainable Urban Development, Supervisors Knut Strömberg & Björn Malbert

13/09/1989 **Master of Architecture**. Chalmers Architecture

Research projects and Grants (selection)

- 01/12/2021-30/11/2025 Facilitating a new rurality beyond GDP through a Community Operating System (COS). Project participant (Formas)
- 01/11/2021-31/10/2025 Housing innovation from the bottom up: creating co-housing and co-living for economically vulnerable groups. Project leader (Vinnova)
- 01/07/2021-31/07/2023 The third generation smart cities: Learning from Barcelona and Madrid. Project leader (Richertska stiftelsen)
- 01/01/2021-31/12/2023 Citizen participation in densification projects. Project participant (Formas)
- 01/01/2021-30/06/2022 Micoll – Migration and housing: meeting refugees’ housing needs through collaborative housing programmes. Project leader (JPI Urban Europe/Formas)
- 01/11/2020-31/10/2023 Coldigit – Collective Intelligence through Digital Tools. Project participant (Nordforsk/Forte)
- 01/12/2019-30/11/2022 Simultaneous remote urban co-design network. Project participant (Formas)
- 01/01/2017-31/12/2020 Opportunities for preparing urban contaminated land for bio-based production. Project participant (Formas).
- 01/07/2017-31/12/2020 Mapping waste governance. Project participant, with University of Victoria (SSHRC Partnership Development)
- 01/07/2017-31/12/2018 Grassroots initiatives, institutional entrepreneurship and inclusive urban governance: transforming the city from below. Project participant, with GU and JOOUST. (ICLD)
- 02/02/2017-31/01/2020 Recycling networks. Grassroots resilience tackling climate, environmental and poverty challenges (The Swedish Research Council)
- 01/01/2017-31/12/2019 Gamification of sanitation planning: Exploring technical and societal readiness of alternative nutrient-recovery systems. Project participant, with SLU (Formas)
- 01/01/2016-31/12/2019 Compact cities and informal settlements - Exploring qualities, drivers and strategies for promoting sustainable urban development. Project participant, with GU and JOOUST (Formas)
- 01/01/2014-31/12/2017 Compact Cities? - Exploring qualities, drivers and strategies for promoting mixed-use urban development. Main applicant and project leader. (Formas)
- 01/01/2014-31/12/2016 Improving basic urban services in informal settlements - Linking waste research in global South cities. SRL grant. Project participant in collaboration with GU, University of Sao Paulo and JOOUST. (Uforsk/Vetenskapsrådet)
- 01/01/2014-30/09/2015 Combating poverty and building democracy through the co-production of participatory waste management services. The case of Kisumu, Kenya. Project participant, with GU and JOOUST. (ICLD)
- 01/01/2014-30/09/2015 Hållbar förtätning (Sustainable densification). Applicant and project leader. (Adlerbertska forskningsstiftelsen)
- 01/10/2013-30/06/2015 Balance 4P: Balancing decisions for urban brownfield regeneration – people, planet, profit and processes. Project participant, with BoM Chalmers, Stichting Deltares, TU Delft and VITO. (Snowman/Formas)
- 01/01/2010-30/09/2013 Mistra Urban Futures, Director of the UF Arena, Center management team at HQ, research leader. (Mistra)
- 01/01/2012-31/12/2014 Urban Biodiversity and Ecosystem Services (Urbes). WP6 leader: Land use change scenarios, strategies and transitions of urban landscapes. With e.g. SRC, Erasmus University and Humboldt University. (Formas/Biodiversa).
- 01/09/2011-30/08/2014 Urban Nexus. Project participant. Coordination and support action (EU 7th Framework Programme)

01/01/2011-30/06/2014 SEVS2 Safe Efficient Vehicle Solutions. Project participant. (Vinnova/FFI)

01/01/2010-30/06/2013 Member of Sida funded Research Network: Sanitation and water supply in peri-urban areas in developing countries. (Sida)

01/01/2009-31/12/2009 One of three main authors of the successful application for the Mistra Centre for Sustainable Urban Futures in Gothenburg. (Mistra/Sida).

01/04/2007-30/06/2009 Knowledge, Learning and Power: A Gender and Power Perspective on Multi-stakeholder Dialogues for the Provision of Urban Water Services (Kenya). Project leader. (SidaSAREC)

01/07/2007-31/12/2009 Peri-urban water and sanitation in Accra, Ghana. Project participant. (Formas/SidaSAREC)

01/01/2007-31/12/2009 Strategic planning and the choosing of sustainable urban water systems. Project participant. (Mistra)

11/09/2003-15/03/2004 Designing, Implementing, and Measuring Sustainable Urban Development. Project participant. With e.g. ETH, Zurich, MIT, Boston and Witwatersrand University, Johannesburg. (AGS)

01/01/2002-30/06/2005 Methodologies for Integration of Knowledge Areas. Project leader. (Formas)

31/01/2000-31/12/2004 Sociotechnical Knowledge: a Toolbox for Sustainable Urban Development, within the program Sustainable Urban Development and Urban Structures. Project leader. (Formas)

Awards and Scientific commissions

Experts assessments of appointments to academic positions: University Lecturer, Luleå University of Technology, 2011; Norwegian University of Science and Technology, Associate Professor II, 2012; Aalto University, Adjunct Professor, 2016; Norwegian University of Science and Technology, Professor/Associate Professor 2016.

Evaluation committee PhD dissertation Pia Andersson, Gothenburg University, 'Making Room for Complexity in Group Collaborations' (2018) Evaluation committee at Member of the evaluation committee PhD dissertation Fabio Hernández-Palacio, NTNU, 'Urban Densification and the Sustainable City in Norway' (2017) Deputy member of the evaluation committee at PhD dissertation at Chalmers Architecture: Nel Janssens, 'Utopian Driven Projective Research, exploring the field of Meta-Urbanism' (2012) Evaluation committee at PhD dissertation at the Royal Institute of Technology, Stockholm: Carina Weingaertner, 'Identifying Strategic Initiatives to Promote Urban Sustainability' (2011) Deputy member of the evaluation committee at PhD dissertation at Chalmers: Ulrika Palme, 'The role of indicators in developing sustainable urban water systems' (2007) Deputy member of the evaluation committee at PhD dissertation at Chalmers Architecture: Nina Rydh, 'Exploring construction briefing' (2003)

Reviewer for journals: *Articulo*, *Ecosystem Services*, *Futures*, *Journal of Environmental Management*, *Journal of Knowledge Management*, *Nordic Journal of Architectural Research*, *Sustainability*, *Ambio*, *Journal of Urbanism*, *Landscape and Urban Planning*, *Area Development and Policy*

2009-2018 Collaboration with Maseno University, Kenya, through the Linnaeus Palme program. Teacher and student exchange between Chalmers and Maseno University. Project leader and initiator.

01/01/2010-30/06/2013 Director of the UF Arena, Center management team at HQ, and research leader at the Mistra Centre of Excellence for Sustainable Urban Futures (Sweden, China, Kenya, South Africa, the UK). During my work as research leader at the center, I organized and facilitated numerous national and international workshops and seminars with a transdisciplinary character, such as seminars supporting joint academic/practitioner leadership of research projects for five pilot projects of the center during 2010-2011 and joint academic/practitioner seminars for developing focus area of the center during 2011.

'Position Papers: Fair, Green & Dense Cities'. Presentation at Mistra Urban Futures international meeting at African Center for Cities, 13-15 March 2013, Cape Town, SA.

'Land use change scenarios'. Presentation at the URBES 2nd Annual Meeting at Technische Universität München. 5-8 March 2013, Freising, Germany.

'Competing for Urban Land Synthesis Report', keynote at Urban Nexus Dialogue Café, 5 April 2013, Gothenburg, Sweden.

'Joining forces to meet urban challenges', keynote at the Swedish pavillion at World Urban Forum 5 September, Naples, Italy.

16/04/2008 Invited reviewer, final workshop for the Sida Feasibility Study on Local Urban Knowledge Arenas.

01/12/2005-30/04/2006 Consultancy for UN-HABITAT, UN-HABITAT's strategic focus on Sustainable Urbanisation.

01/01/2005-31/06/2005 Consultancy for UN-HABITAT, design of a global network on Pro-poor Urban Land Tools.

PhD & Post Doc Supervision

2018-2023 Co-supervisor for PhD student Shaswati Chowdhury.

2016-2017 Mentor for Post Doc Marco Adelfio.

2015-2020 Main supervisor for PhD student Hyekeyung Imottesjo. **Licentiate** 2016, **Dissertation** 2020.

2012-2013 Mentor for Post Doc Anna Kaczorowska.

2012-2013 Mentor for Post Doc David Rodríguez Rodríguez.

2012-2021 Main supervisor for PhD student Sigrid Östlund. **Licentiate** 2017, **Dissertation** 2021.

2012-2016 Co-supervisor for PhD student Anna Maria Orru. **Licentiate** 2016.

2007-2011 Co-supervisor and then Main supervisor for PhD student Jennifer McConville. **Licentiate** 2009, **Dissertation** 2011.

Teaching and pedagogical leadership

2018 – 2021 Master course Design systems (4,5 ects), Dept. of Architecture and Civil Engineering, examiner

2017 Universidad Nacional de General Sarmiento and Universidad de Buenos Aires, Buenos Aires, master students in urbanism and architecture, lecture on compact cities and supervision of inhabitant survey and use of Maptionnaire app; number of lecture hours: 20

2017 Maseno University and JOOUST, Kisumu, Kenya. 35 bachelor students, urban planning; lecture on compact cities and supervision of inhabitant survey and use of Maptionnaire app; number of lecture hours: 40

2016 Techniek College Rotterdam; Real Life Learning project: Compact Cities; College level; 60 students; lecture on compact cities and supervision of use of Maptionnaire app; number of lecture hours: 10

2015 Chalmers: ARK323 Design and planning for social inclusion; Master's level; 5 students; supervision on compact cities; number of lecture hours: 2

2015 La Salle Barcelona, Ramon Llull University; Research seminar on contemporary housing; Master's level; 10 students; lecture on compact cities (e-learning/video); number of lecture hours: 1

2015 Chalmers; ARK323 Design and planning for social inclusion; Master's level; 25 students; lecture on compact cities; number of lecture hours: 1

2015 La Salle Barcelona, Ramon Llull University; Research seminar on contemporary housing; Master's level; 10 students; lecture and workshop; number of lecture hours: 4

2014 Delft University of Technology & Chalmers; AR0021 Aqua Terra Urban Design; Master's level; 4 ects; 21 students; assisting teacher; number of lecture hours: 10

2014 NTNU/Chalmers; Rethinking sanitation for the urban poor: the NGO perspective - Case study of ACTogether's Tugende Project, Kampala; Master's Thesis 30 ects; student: Megan Prier; assistant supervisor of double degree students within the Nordic Master's Programme Sustainable Urban Transitions, main supervisor Rolee Aranya NTNU; number of lecture hours: 10.

2014 Aalto University/Chalmers; Biomimicry approach to urban planning: How biomimicry can support urban planning and design, the context of Coyoacan District in Mexico City; Master's Thesis 30 ects; student: David Mandujano; assistant supervisor of double degree students within the Nordic Master's Programme Sustainable Urban Transitions, main supervisor Kimmo Lapintie Aalto University; number of lecture hours: 10.

2013 Chalmers; Reclaiming social aspects in sustainable development – urban agriculture in Cuba; Master's Thesis 30 ects; student: Nisse Örnberg; main supervisor; number of lecture hours: 20.

01/08/2012 – 30/06/2017 Nordic Coordinator of the Nordic double degree Masters's Programme Sustainable Urban Transitions (NMPSUT), leading Programme Board activities and annual meetings, continuous programme development, leading academic admission procedures, etc.

01/01/2011 – 30/08/2012 Coordinator for the development of a Nordic double degree Master's Programme in Sustainable Urban Transitions (NMPSUT) in collaboration with academic partners at five Nordic universities, including development of consortium agreement, curriculum, course descriptions, and promotion material. This also included writing an application and securing a 1,000,000 DKK grant from the Nordic Council of Ministers in support of programme development, and reporting back to the Nordic Council of Ministers.

2011 Chalmers; Adaptation to Climate Change Frihamnen, Gothenburg: An exploration on social inclusion as an indicator of sustainable urban development; Master's Thesis 30 ects; student: Nina Akhavan; main supervisor; number of lecture hours: 20.

2010; Chalmers; Cultivate Tungendorf: A new chance for sustainability for an inner-city suburb in the presence of demographic change; Master's Thesis 30 ects; student: Gina Willner; main supervisor; number of lecture hours: 20.

2010; Chalmers; There's something wrong with the world today but I don't know what it is: Temporary Schoolbuildings for the Urban Poor; Master's Thesis 30 ects; student: Thomas Nilausen; main supervisor; number of lecture hours: 30.

2010 Chalmers: Mixed Approaches to Theory and Methods in Design, Architecture and Planning Research; PhD course; 3/4.5 ects; 9 students; ; lectures, daily round-up seminar, summarizing micro-seminar, reading list with compulsory and optional reading, short paper; examination based on participation at lectures and on the short paper; I planned the course and coordinated its execution; number of lecture hours: 38.

2009 Chalmers: Methods for Design, Architecture and Planning Research; PhD course; 3 ects; 14 students; ; lectures, daily round-up seminar, summarizing micro-seminar, reading list with compulsory and optional reading, short paper + a lecture on evaluation research; examination based on participation at lectures and on the short paper; I planned the course and coordinated its execution; number of lecture hours: 90.

2009 Chalmers: Theory for Design, Architecture and Planning Research; PhD course; 3 ects; 15 students; ; lectures, daily round-up seminar, summarizing micro-seminar, reading list with compulsory and optional reading, short paper + a lecture on planning theory; examination based on participation at lectures and on the short paper; I planned the course and coordinated its execution; number of lecture hours: 94.

2008-2009 Director of the Design for Sustainable Development Master's Programme (MPDSD) at Chalmers Architecture.

01/01/2009 – 10/02/2017 Master course Design systems (7,5 ects), Chalmers Architecture, examiner

01/01/2008 – 30/06/2017 Project leader for international exchange of students and teachers with Kenya through the Linnaeus Palme program. Received funding so far 2 445 000SEK.

01/01/2008 – 31/12/2009 Coordinator of the Design for Sustainable Development Master's programme.

01/10/2007 – 31/12/2008 Project leader for the 'Lake Victoria Higher Education Initiative' (with UN-HABITAT), capacity-building on sustainable urban development in the Lake Victoria region

Communication with stakeholders/end users

Many of my research projects have contained elements of action-oriented case studies, where practitioners of planning and policy-making have been engaged in collaborative multi-stakeholder learning processes. Includes facilitation of collaborative multi-stakeholder learning workshops and processes in Managua, Nicaragua (30 stakeholders from public agencies and NGOs); Kisumu, Kenya (20 public officials, consultants, NGOs and researchers + two workshops in informal settlements with 40 participants); Stockholm, Sweden (five workshops with 15 public officials, consultants, NGOs and researchers); Gothenburg, Sweden (15 workshops with 5-50 politicians, public officials, consultants, NGOs and researchers); Adenta, Accra, Ghana (12 public officials from the Adentan Municipal Assembly); the City of Södertälje (workshop with 18 public officials and consultants); the City of Södertälje (five workshops with 30 inhabitants, public officials and consultants); City of Gothenburg Recycling Board (28 participants); the City of Sundsvall (34 officials and politicians) and Bergsjön city district, Göteborg (6 participants).

Language skills

Swedish: Native; English: Excellent; Spanish: Good; Portuguese and French: Some

Publications, Jaan-Henrik Kain

Peer-reviewed scientific articles

- Zapata Campos, M.J., Kain, J.-H., Oloko, M., Scheinsohn, M., Stenberg, J., Zapata, P. (2022). Residents' collective strategies of resistance in Global South cities' informal settlements: Space, scale and knowledge. *Cities*. Online. doi: 10.1016/j.cities.2022.103663
- Zapata Campos, M.J., Kain, J.-H., Oloko, M., Stenberg, J., Zapata, P. (2022). Urban qualities and residents' strategies in compact global south cities: the case of Havana. *Journal of Housing and the Built Environment* 37:529–551. doi: 10.1007/s10901-021-09856-7
- Zapata Campos, M.J., Barinaga, E., Kain, J.-H., Oloko, M., Zapata, P. (2022). Organising grassroots infrastructure: The (in)visible work of organisational (in)completeness. *Urban Studies*, 00420980211062818. doi: 10.1177/00420980211062818
- Imottesjo, H., Kain, J.-H. (2022). The Urban CoCreation Lab—An Integrated Platform for Remote and Simultaneous Collaborative Urban Planning and Design through Web-Based Desktop 3D Modeling, Head-Mounted Virtual Reality and Mobile Augmented Reality: Prototyping a Minimum Viable Product and Developing Specifications for a Minimum Marketable Product. *Applied Sciences*, 12(2), 797. doi: 10.3390/app12020797
- Kain, J.-H., Adelfio, M., Stenberg, J., Thuvander, L. (2021). Towards a systemic understanding of compact city qualities. *Journal of Urban Design*. 27(1): 130-147. doi: 10.1080/13574809.2021.1941825
- Stenberg, J., Thuvander, L., Kain, J.-H., Adelfio, M. (2021). Linking research, education and citizen codesign: compact cities as social intensification. *SN Social Sciences*, 1(10): 248. doi: 10.1007/s43545-021-00257-9
- Zapata Campos, M.J., Kain, J.-H., Oloko, M., Stenberg, J., Zapata, P. (2022) Urban qualities and residents' strategies in compact global south cities: the case of Havana. *Journal of Housing and the Built Environment*. 37: 529–551. doi: 10.1007/s10901-021-09856-7
- Zapata Campos, M.J., Carezo, S., Kain, J.-H., Oloko, M., Reynosa, J.P., Zapata, P. (2020) Inclusive recycling movements: a green deep democracy from below. *Environment and Urbanization*. 33(2): 579-598. doi:10.1177/0956247820967621
- Imottesjo, H., Thuvander, L., Billger, M., Wallberg, P., Bodell, G., Kain, J.-H., Nielsen, S.A. (2020) Iterative Prototyping of Urban CoBuilder: Tracking Methods and User Interface of an Outdoor Mobile Augmented Reality Tool for Co-Designing. *Multimodal Technol. Interact.* 4(2): 26. doi:10.3390/mti4020026
- Chowdhury, S., Kain, J.-H., Adelfio, M., Volchko, Y., Norrman, J. (2020) Greening the Browns: A Bio-Based Land Use Framework for Analysing the Potential of Urban Brownfields in an Urban Circular Economy. *Sustainability*. 12(15): 6278. doi.org/10.3390/su12156278
- Adelfio, M., Serrano-Estrada, L., Martí-Ciriquián, P., Kain, J.-H., Stenberg, J. (2020) 'Social Activity in Gothenburg's Intermediate City: Mapping Third Places through Social Media' Data. Applied Spatial Analysis. Published online 27 March 2020. *Applied Spatial Analysis and Policy*. 13: 985-1017. doi: 10.1007/s12061-020-09338-3
- Kain, J.-H., Stenberg, J., Adelfio, M., Oloko, M., Thuvander, L., Zapata, P. & Zapata Campos, M.J. (2020) 'What Makes a Compact City? Differences Between Urban Research

in the Global North and the Global South'. *Scandinavian Journal of Public Administration*. 24(4): 25-49.

Adelfio, M., Kain, J.-H., Stenberg, J., Thuvander, L. (2019) 'GISualization: visualized integration of multiple types of data for knowledge co-production'. Accepted for publication in *Geografisk Tidsskrift-Danish Journal of Geography*. 119(2): 163-184. doi: 10.1080/00167223.2019.1605301

Adelfio, M., Kain, J.-H., Thuvander, L., Stenberg, J. (2018) 'Disentangling the compact city drivers and pressures: Barcelona as a case study'. *Norsk Geografisk Tidsskrift - Norwegian Journal of Geography*. 72(5): 287-304. doi: 10.1080/00291951.2018.1547788

Imottesjo, H., Kain, J.-H. (2018) 'The Urban CoBuilder – a mobile augmented reality tool for crowd-sourced simulation of emergent urban development patterns: Requirements, prototyping and assessment'. *Computers, Environment and Urban Systems*. 71: 120-130. doi: 10.1016/j.compenvurbsys.2018.05.003

Gutberlet, J., Carenzo, S., Kain, J.-H., Mantovani Martiniano de Azevedo, A. (2017) 'Waste picker organizations challenge the concept of the Circular Economy: a Global South perspective'. *Resources*. 6(4): 52. doi:10.3390/resources6040052

McConville, J., Rauch, S., Helgegren, I., Kain, J.-H. (2017). 'Using Role-playing Games to Broaden Engineering Education'. *International Journal of Sustainability in Higher Education*. 18(4): 594-607. doi: 10.1108/IJSHE-08-2015-0146

Gutberlet, J., Kain, J.-H., Nyakinya, B., Oloko, M., Zapata, P., Zapata Campos, M.J. (2017). 'Bridging weak links of solid waste management in informal settlements'. *Journal of Environment and Development*. 26(1): 106-131. doi: 10.1177/1070496516672263

Kain, J.-H., Nyakinya, B., Odhiambo, N., Oloko, M., Omolo, J., Otieno, S., Zapata, P., Zapata Campos, M.J. (2016). 'Translating Policies Into Informal Settlements' Practices: Reframing, Anchoring and Muddling Through'. *Public Administration and Development*. 36: 330-346. doi: 10.1002/pad.1782

Kaczorowska, A., Kain, J.-H., Kronenberg, J., Haase, D. (2016) 'Ecosystem services in urban land use planning: Integration challenges in complex urban settings - case of Stockholm'. *Ecosystem Services*. 22(Part A): 204-212. doi: 10.1016/j.ecoser.2015.04.006

Kremer, P., Hamstead, Z., Haase, D., McPhearson, T., Frantzeskaki, N., Andersson, E., Kabisch, N., Larondelle, N., Lorange Rall, E., Voigt, A., Baró, F., Bertram, C., Gómez-Baggethun, E., Hansen, R., Kaczorowska, A., Kain, J.-H., Kronenberg, J., Langemeyer, J., Pauleit, S., Rehdanz, K., Schewenius, M., van Ham, C., Wurster, D., Elmqvist, T. (2016). Key research-based insights for the future of urban ecosystem services research. *Ecology and Society*. 21(2): 29. doi: 10.5751/ES-08445-210229

Lim, H.K., Kain, J.-H. (2016). 'Compact cities are complex, intense and diverse but: Can we design such emergent urban properties?' *Urban Planning*. 1(1): 95-113. doi: 10.17645/up.v1i1.535

Kain, J.-H., Larondelle, N., Haase, D., Kaczorowska, A. (2016). 'Exploring local consequences of two land-use alternatives for the supply of urban ecosystem services in Stockholm year 2050'. *Ecological Indicators*. 70(November 2016): 615–629. doi: 10.1016/j.ecolind.2016.02.062

Norrman, J., Volchko, Y., Hooimeijer, F., Maring, L., Kain, J.-H., Bardos, P., Broekx, S., Beames A., Rosén, L. (2016). 'Integration of the subsurface and the surface sectors for a more holistic approach for sustainable redevelopment of urban brownfields.' *Science of The Total Environment*. 563–564(1 September 2016): 879–889. doi:

10.1016/j.scitotenv.2016.02.097

Gutberlet, J., Kain, J.-H., Nyakinya, B., Dickens, O., Odhiambo, N., Oloko, M., Omolo, J., Omondi, E., Otieno, S., Zapata, P., Zapata Campos, M.J., (2016). 'Socio-environmental entrepreneurship and the provision of critical services in informal settlements'. *Environment & Urbanization*. 28(1): 205-222. doi: 10.1177/0956247815623772

Rodríguez-Rodríguez, D., Kain, J.-H., Haase, D., Baró, F., Kaczorowska, A. (2015). 'Urban self-sufficiency through optimised ecosystem service demand. An utopian perspective from European cities'. *Futures*. 70(June 29015): 13-23. doi: 10.1016/j.futures.2015.03.007

Hansen, R., Frantzeskaki, N., McPhearson, T., Rall, E., Kabisch, N., Kaczorowska, A., Kain, J.-H., Artmann, M., Pauleit, S. (2015). 'The uptake of the ecosystem services concept in planning discourses of European and American cities'. *Ecosystem Services*. 12(April 2015): 228-246. doi: 10.1016/j.ecoser.2014.11.013i

McConville, J., Kain, J.-H., Kvarnström, E., Ulrich, L. (2014). 'Participation in sanitation planning in Burkina Faso: theory and practice'. *Journal of Water, Sanitation and Hygiene for Development*, 4(2): 304-312. doi: 10.2166/washdev.2014.125

McConville, J., Kain, J.-H., Kvarnström, E., Renman, G. (2011). 'Bridging sanitation engineering and planning: theory and practice in Burkina Faso'. *Journal of Water, Sanitation and Hygiene for Development*, 1 (3): 205-212. doi :10.2166/washdev.2011.042

Kain, Jaan-Henrik and Söderberg, Henriette (2008) 'Management of complex knowledge in planning for sustainable development: The use of multi-criteria decision aids'. *Environmental Impact Assessment Review* 28(1): 7-21. doi: 10.1016/j.eiar.2007.03.007

Kain, Jaan-Henrik, Kärrman, Erik and Söderberg, Henriette (2007) 'Multi-criteria decision aids for sustainable water management'. *Engineering Sustainability* 160(2): 87-93.

Söderberg, Henriette and Jaan-Henrik Kain (2006) 'Assessments of Sustainable Waste Management Alternatives: How to Support Complex Knowledge Management'. *Journal of Environmental Planning and Management*. 49(1): 21-39. doi: 10.1080/09640560500372982

Peer-reviewed conference proceedings

M. Billger, M., Kain, J.-H., Niwagaba, C.B. and McConville, J.R. (2020) Lessons from co-designing a resource-recovery game for collaborative urban sanitation planning. *World Sustainable Built Environment - Beyond 2020, WSBE 2020*, 2-4 November 2020, Göteborg, Sweden. Published in IOP Conference Series: Earth and Environmental Science, vol 588. <http://doi.org/10.1088/1755-1315/588/4/042041>

Kain, J.-H., Oloko, M., Stenberg, J., Zapata Campos, M.J. and Zapata, P., (2018) Collective Strategies of Resistance in Compact Global South Cities. Stories from the Residents of the Villa Rodrigo Bueno. *19th N-AERUS Conference, Housing and Human Settlements an a World of Change*, 8-10 November 2018, Stuttgart, Germany.

Charles Goodluck, C., Gutberlet, J., Kain, J.-H., Oloko, M., Pérez Reynosa, J. et al. (2018) Recycling networks. Grassroots initiatives tackling climate, environmental and poverty challenges in informal settlements. *Devres Development Research Conference 2018 – 'Rethinking Development'*, 22-23 August 2018, Gothenburg, Sweden.

Zapata Campos, M.J., Kain, J.-H., Oloko, M., Stenberg, J., Zapata, P., (2018) Citizen-driven strategies in global South cities' informal settlements. Critical narratives from Buenos Aires, Havana and Kisumu. *Devres Development Research Conference 2018 – 'Rethinking Development'*, 22-23 August 2018, Gothenburg, Sweden.

- Zapata Campos, M.J., Zapata, P., Kain, J.-H., Oloko, M., and Barinaga, E. (2018) Governing grassroots infrastructure – Resident associations and infrastructure provisioning in informal settlements. *Laemos 2018*, 22-24 March 2018, Buenos Aires, Argentina.
- Zapata, P., Gutberlet, J., Kain, J.-H., Oloko, M., Charles, G. et al. (2018) Grassroots resilience tackling climate, environmental and poverty challenges. *Latin American European Organisation Studies Conference*, 22-24th March 2018, Buenos Aires, Argentina.
- Zapata Campos, M.J., Zapata, P., Kain, J.-H., and Stenberg, J. (2017) Urban informality and networks of livelihood and solidarity in compact cities. *International Sociological Association Research Committee 21 on Urban and Regional Development -- Rethinking Global Urban Justice September*, 11-13 2017, Leeds, The UK.
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