

Publication list 2018 - 2020

Books and Book Editorships

- C. Achammer, I. Kovacic (ed.):
"Innovationsinkubator Industriebau - Praxisreport 2019";
Eigenverlag, Wien, 2020, ISBN: 978-3-200-06660-1; 249 pages.
- J. Windsperger, G. Cliquet, G. Hendrikse, M. Sreckovic (ed.):
"Design and Management of Interfirm Networks";
Springer International Publishing, 2019, ISBN: 978-3-030-29244-7; 388 pages.
- C. Achammer, I. Kovacic (ed.):
"Construction Goes Digital - Praxisreport 2017";
Klein Publishing GmbH, Wien, 2019, ISBN: 978-3-903-01512-8; 212 pages.
- I. Kovacic, M. Honic, H. Rechberger:
"BIMaterial - Prozess-Design für den BIM-basierten, materiellen Gebäudepass";
Eigenverlag, 2018, ISBN: 978-3-200-06012-8; 70 pages.

Publications in Scientific Journals

- M. Honic, I. Kovacic, H. Rechberger:
"Der BIM-basierte materielle Gebäudepass als Optimierungswerkzeug";
Bautechnik, **96. Jahrgang** (2019), Heft 3; 219 - 228.
- M. Honic, I. Kovacic, H. Rechberger:
"Improving the recycling potential of buildings through Material Passports (MP): An Austrian case study";
Journal of Cleaner Production, **217** (2019), 787 - 797.
- M. Honic, I. Kovacic, G. Sibenik, H. Rechberger:
"Data- and stakeholder management framework for the implementation of BIM-based Material Passports";
Journal of Building Engineering, **23** (2019), 341 - 350.
- I. Kovacic, J. Reisinger, M. Honic:
"Life Cycle Assessment of embodied and operational energy for a passive housing block in Austria";
Renewable & Sustainable Energy Reviews, **82** (2018), 2; 1774 - 1786.
- M. Sreckovic:
"The performance effect of network and managerial capabilities of entrepreneurial firms";
Small Business Economics, **50** (2018), 4; 807 - 824.

Contributions to Books

- M. Kraus:
"Conceptual Framework for a Building Design Process using Lean & Agile Principles, BIM and ERP";
in: "Innovationsinkubator Industriebau - Praxisreport 2019", C. Achammer, I. Kovacic (ed.); Eigenverlag, Wien, 2020, ISBN: 978-3-200-06660-1, 47 - 52.
- J. Reisinger:
"Flexible Structural Design 4.0 - Proposal for BIM-based digital planning and optimization of flexible building structures for Industry 4.0";
in: "Innovationsinkubator Industriebau - Praxisreport 2019", C. Achammer, I. Kovacic (ed.); Eigenverlag, Wien, 2020, ISBN: 978-3-200-06660-1, 67 - 70.
- G. Sibenik:
"Framework for interdisciplinary data exchange between architectural design and structural analysis models";
in: "Innovationsinkubator Industriebau - Praxisreport 2019", C. Achammer, I. Kovacic (ed.); Eigenverlag, Wien, 2020, ISBN: 978-3-200-06660-1, 85 - 87.
- J. Windsperger, G. Cliquet, G. Hendrikse, M. Sreckovic:
"Design and Management of Interfirm Networks: An Introduction";
in: "Design and Management of Interfirm Networks", Springer International Publishing, 2019, ISBN: 978-3-030-29244-7, 1 - 9.
- I. Kovacic, M. Honic, H. Rechberger:
"BIM Based Material Passport as Tool for Enhancemet of Circular Economy in AEC Industry";
in: "Advances in Informatics and Computing in Civil and Construction Engineering", issued by: Ivan Mutis, Timo Hartmann; Springer Nature, 2018, ISBN: 978-3-030-00219-0, 8 pages.
- G. Sibenik:
"Allplan";
in: "BIM Handbook - A Guide to Building Information Modeling for Owners, Designers, Engineers, Contractors, and Facility Managers", 3rd Edition; R. Sacks, C. Eastman, Gh. Lee, P. Teicholz (ed.); WILEY-VCH Verlag GmbH, 2018, ISBN: 978-1-119-28753-7, 65 - 66.

Contributions to Proceedings

- G. Gourlis, I. Kovacic:
"Energy efficient operation of industrial facilities: the role of the building in simulation-based optimization";
Talk: SBE19-Thessaloniki "Sustainability in the built environment for climate change mitigation", Thessaloniki; 2019-10-23 - 2019-10-25; in: "SBE19-Thessaloniki "Sustainability in the built environment for climate change mitigation"", Aristotle University of Thessaloniki, (2019), 1 - 9.
- G. Sibenik, I. Kovacic:
"Automation of software independent data interpretation between architectural and

structural analysis models";

Talk: 36th International Conference of CIB W78, Newcastle-upon-Tyne, UK; 2019-09-18 - 2019-09-20; in: "*Proceedings of the 36th International Conference of CIB W78*", w78:2019 (2019), ISSN: 2706-6568; 810 - 820.

- M. Sreckovic, J. Windsperger:
"*Decentralized Autonomous Organizations and Network Design in AEC: a conceptual framework*";
Talk: 36th CIB W78 2019 Conference, Northumbria University at Newcastle, Newcastle-upon-Tyne, UK; 2019-09-18 - 2019-09-20; in: "*Advances in ICT in Design, Construction & Management in Architecture, Engineering, Construction and Operations (AECO)*", (2019), ISBN: 9781861354860; 842 - 850.
- M. Honic, I. Kovacic:
"*Model and Data Management Issues in Integrated Assessment of Existing Building Stocks*";
Talk: 14th International Conference Organization, Technology and Management in Construction (OTMC 2019) + 7th International Project Management Association Research Conference (IPMA 2019), Zagreb, Kroatien; 2019-09-04 - 2019-09-07; in: "*Trust in Major & Mega Projects*", I. Zavrski, A. Ceric, M. Vukomanovic, M. Huemann, D. Ronggui (ed.); (2019), ISBN: 978-953-7686-08-6; 474 - 486.
- I. Kovacic, M. Honic, M. Sreckovic, G. Sibenik:
"*Digital Platform for Circular Economy in AEC Industry*";
Talk: Engineering Project Organization Conference (EPOC) 2019 - A Challenge Summit, Vail, Colorado, USA; 2019-06-25 - 2019-06-27; in: "*17th Annual Engineering Project Organization Conference - Working Paper Proceedings*", (2019), 1 - 15.
- I. Kovacic, M. Honic:
"*BIM-supported scanning and data capturing for Integrated Resources and Energy Assessment*";
Talk: CIB World Building Congress 2019 - Constructing Smart Cities, Hong Kong, China; 2019-06-17 - 2019-06-21; in: "*CIB World Building Congress 2019 - Constructing Smart Cities*", (2019), 1 - 10.
- G. Sibenik, I. Kovacic:
"*Proposal for a classification system supporting interdisciplinary model exchange between architecture and structural analysis*";
Talk: CIB World Building Congress 2019 - Constructing Smart Cities, Hong Kong, China; 2019-06-17 - 2019-06-21; in: "*CIB World Building Congress 2019 - Constructing Smart Cities*", (2019), ISBN: 978-962-367-821-6; 1136 - 1146.
- M. Sreckovic:
"*Organizing for innovation in the digital economy: The case of the AEC Industry*";
Talk: CIB World Building Congress 2019 - Constructing Smart Cities, The Hong Kong Polytechnic University, Hong Kong, China; 2019-06-17 - 2019-06-21; in: "*CIB World Building Congress 2019 - Constructing Smart Cities*", (2019), ISBN: 978-962-367-821-6; 367 - 376.

- J. Reisinger:
"Digital Planning And Optimisation Of Flexible Structures For Industry 4.0";
 Talk: Vienna Young Scientists Symposium (VSS 2019), Vienna, Austria; 2019-06-13 - 2019-06-14; in: *"Vienna Young Scientists Symposium (VSS 2019)"*, (2019), ISBN: 978-3-9504017-9-0; 54 - 55.
- M. Honic, I. Kovacic, H. Rechberger:
"Assessment Of The Recycling Potential And Environmental Impact Of Building Materials Using Material Passports - A Case Study";
 Talk: International Conference on Sustainable Materials, Systems and Structures (SMSS 2019) - Energy Efficient Building Design and Legislation, Rovinj, Kroatien; 2019-03-20 - 2019-03-22; in: *"Proceedings of the International Conference on Sustainable Materials, Systems and Structures (SMSS 2019) - Energy Efficient Building Design and Legislation"*, RILEM Publications S.A.R.L., 128 (2019), ISBN: 978-2-35158-217-6; 172 - 179.
- J. Reisinger, L. Donkor, S. Loncsek, I. Kovacic:
"BIM-Based Workflows For Building Energy Modelling - A Variant Study";
 Talk: International Conference on Sustainable Materials, Systems and Structures (SMSS 2019) - Energy Efficient Building Design and Legislation, Rovinj, Kroatien; 2019-03-20 - 2019-03-22; in: *"Proceedings of the International Conference on Sustainable Materials, Systems and Structures (SMSS 2019) - Energy Efficient Building Design and Legislation"*, RILEM Publications S.A.R.L., 128 (2019), ISBN: 978-2-35158-217-6; 229 - 236.
- M. Honic, I. Kovacic, H. Rechberger:
"Concept for a BIM-based Material Passport for buildings";
 Talk: Buildings As Material Banks - A Pathway For A Circular Future (SBE19 Brussels BAMB-CIRCPATH), Brüssel, Belgien; 2019-02-05 - 2019-02-07; in: *"IOP Conference Series: Earth and Environmental Science (EES)"*, IOP Publishing Ltd., 225 (2019), 1 - 8.
- I. Kovacic, M. Honic, H. Rechberger:
"BIM Based Material Passport as Tool for Enhancemet of Circular Economy in AEC Industry";
 Talk: 35th CIB W78 2018 Conference IT in Design, Construction, and Management Chicago, Illinois, United States, Chicago, USA; 2018-10-01 - 2018-10-03; in: *"Advances in Informatics and Computing in Civil and Construction Engineering"*, Springer, (2018), ISBN: 978-3-030-00219-0; 741 - 748.
- C. Hax-Noske:
"Working from home: Spatial strategies for communication";
 Talk: 1st Transdisciplinary Workplace Research Conference, Tampere, Finland; 2018-09-19 - 2018-09-21; in: *"Proceedings of the 1st Transdisciplinary Workplace Research Conference"*, (2018), ISBN: 978-952-15-4200-8; 17.
- G. Sibenik, I. Kovacic:
"Proposal for a discipline-specific open exchange framework";
 Talk: 35th International Symposium on Automation and Robotics in Construction (ISARC), Berlin; 2018-07-20 - 2018-07-25; in: *"2018 Proceedings of the 35th ISARC, Berlin, Germany"*, Berlin, Germany (2018), 561 - 568.

- F. Bittenbinder, C. Liu, N. Moretti, F. Re Cecconi, L. Tagliabue, A. Ciribini, I. Kovacic:
"A Vision for a Cognitive Campus Network of Universities: The Learnsapes of Poveglia Island";
 Poster: 3rd South East European Conference on Sustainable Development of Energy, Water and Environment Systems (SEE SDEWES 2018), Novi Sad, Serbien; 2018-06-30 - 2018-07-04; in: *"3rd SEE SDEWES Conference 2018"*, (2018).
- M. Honic, I. Kovacic, H. Rechberger:
"Building Information Modelling, Data- and Stakeholder-Management Framework for Material Passports";
 Talk: Engineering Project Organization Conference (EPOC) 2018 - (Re)Organizing in an Uncertain Climate, Brijuni, Kroatien; 2018-06-25 - 2018-06-27; in:
"Conference Proceedings of the Engineering Project Organization Conference (EPOC) 2018 - (Re)Organizing in an Uncertain Climate", (2018), 553 - 569.
- I. Kovacic, T. Spyropoulou, M. Filzmoser, T. Sulzer:
"Collaborative Skills and Digital Technologies in Teaching and AEC Practice - A Comparative Study";
 Talk: Engineering Project Organization Conference (EPOC) 2018 - (Re)Organizing in an Uncertain Climate, Brijuni, Kroatien; 2018-06-25 - 2018-06-27; in:
"Conference Proceedings of the Engineering Project Organization Conference (EPOC) 2018 - (Re)Organizing in an Uncertain Climate", (2018), 307 - 324.
- I. Kovacic, M. Honic, J. Glöggler, K. Meier:
"BIM als Werkzeug für die Erstellung von Materiellen Gebäudepässen und Lebenszyklusanalysen";
 Talk: BauZ! - Wiener Kongress für zukunftsfähiges Bauen, Messezentrum Wien, Wien; 2018-01-24 - 2018-01-26; in: *"In Betrieb gesetzt! Was kommt ins Laufen?"*, IBO Verlag, (2018), ISBN: 978-3-900403-48-5; 46 - 47.