

PUBLICATION LIST

Book publications (editorships)

Matthias Beckh, Giulia Boller, Rainer Schützeichel, Joseph Schwartz, Laurent Stalder: Heinz Isler – Engineer Entrepreneur Researcher. Zürich: gta Verlag. 2022 (in preparation)

Matthias Beckh, Juan Ignacio del Cueto, Matthias Ludwig, Andreas Schätzke, Rainer Schützeichel (ed.): Candela – Isler – Müther: Positions on Shell Construction. Basel: Birkhäuser Verlag. 2020

Matthias Beckh, Thomas Schrom: Nepal 2015 Earthquake - Detailed Damage Assessment and Concept for Rehabilitation. FinalReport. KfW Group / UNESCO Kathmandu. 2016

Matthias Beckh: Hyperbolic Structures – Shukhov´ s Lattice Towers - Forerunners of Modern Lightweight Construction. Wiley-Blackwell Verlag. 2015

Matthias Beckh: Hyperbolische Stabwerke – Šuchovs Gittertürme als Wegweiser in den modernen Leichtbau. 2012. München: Detail Verlag

Book chapters

Matthias Beckh, Rainer Schützeichel: Heinz Isler´ s contribution to shell design in the postwar era. In: Matthias Beckh, Giulia Boller, Rainer Schützeichel, Joseph Schwartz, Laurent Stalder: Heinz Isler – Engineer Entrepreneur Researcher. Zürich: gta Verlag. 2022 (in preparation)

Matthias Beckh: Gebaute Modelle. In: Wilfried Dechau: Heinz Isler – Schalen. Wüstenrot Stiftung. 2022 (in preparation)

Matthias Beckh: Struktur und Architektur im neuen Dialog. In: Michael Kaliske, Wolfgang Graf (ed.): 25. Dresdner Baustatik Seminar - Realität - Modellierung - Tragwerksplanung. Institut für Statik und Dynamik der Tragwerke. TU Dresden. 2021. P. 71-83

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Matthias Beckh: From foam to form – the peculiar first free-form shells of Heinz Isler. In: Matthias Beckh, Juan Ignacio del Cueto, Matthias Ludwig, Andreas Schätzke, Rainer Schützeichel (ed.): Candela – Isler – Müther: Positions on Shell Construction. Basel: Birkhäuser Verlag. 2020 P. 110-117

Matthias Beckh, Rainer Schützeichel: The formative years of Heinz Isler. In: Matthias Beckh, Juan Ignacio del Cueto, Matthias Ludwig, Andreas Schätzke, Rainer Schützeichel (ed.): Candela – Isler – Müther: Positions on Shell Construction. Basel: Birkhäuser Verlag. 2020. P. 90-97

Bert Praxenthaler, Matthias Beckh: Safeguarding and preservation activities at the Giant Buddhas of Bamiyan 2004 – 2017. In: Masanori Nagaoka (ed.): Bamiyan Buddhas: Springer 2020. P. 31-49

Matthias Beckh: Webs Woven in Steel – Geometry and Structural Behavior of Vladimir Shukhov´s Lightweight Structures. In: Shukhov – Formula of Architecture (exhibition catalogue). Schusev State Museum of Architecture. Moscow 2019. P. 75-89

Matthias Beckh: Design and partial assembly of the Western Buddha scaffold, 2013-2015. In: Erwin Emmerling, Michael Petzet / ICOMOS: The Giant Buddhas of Bamiyan II – safeguarding the remains. Berlin: Hendrik Bäßler Verlag. 2016. P. 292-298

Matthias Beckh, Mark Böttges, Eberhard Möller, Zoran Novacki: Loadbearing Structure. In: Klaus Sedlbauer, Eberhard Schunck, Rainer Barthel, Hartwig Künzel (ed.): Flat Roof Construction Manual – Materials Design Applications. München: Detail Publishers / Birkhäuser. 2012. P. 24-33

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Rainer Barthel, Matthias Beckh, Andrij Kutnyi, Manfred Schuller: Ein Meilenstein im Schalenbau - Šuchovs Halle für das Blechwalzwerk in Vyksa. In: Juliane Mayer (ed.) Forschen, Lehren und Erhalten - Festschrift für Rainer Graefe. Innsbruck: iup innsbruck university press. 2009. P. 105-122

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Articles in Conference Proceedings

Patrick Schäferling, Matthias Beckh: Lightweight tower systems for tall wind energy plants. IASS Annual Symposium. Beijing 2022 (in preparation).

Matthias Beckh, Giulia Boller: From foam to form – the peculiar first free-form shells of Heinz Isler. IASS Annual Symposium. Barcelona 2019.

Giulia Boller, Matthias Beckh: How to gain from loss – Heinz Isler´s Haba project and its testing under critical load. IASS Annual Symposium. Barcelona 2019.

Matthias Beckh, Giulia Boller: Building with air: Heinz Isler´s bubble houses and the usage of pneumatic construction techniques. Construction History Society – Annual Conference Proceedings. Cambridge. 2019.

Matthias Beckh, Giulia Boller, Rainer Schützeichel: An auspicious encounter: Blaser Swissslube as field of experimentation for Heinz Isler´s pneumatic-form shells. IASS Annual Symposium. Boston 2018.

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Matthias Beckh: Traditional construction techniques of the Newars at the Itum Baha monastery in Kathmandu. In: Proceedings of the Second International Congress on Construction History, Exeter 2006, P. 325-339

Matthias Beckh: The cultural heritage of Nepal in the next earthquake. In: International Earthquake Symposium Proceedings: National Society for Earthquake Technology Nepal (NEST), Kathmandu, 2002