

Markus Krüger  
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Institute of Technology and Testing of Construction Materials (2060)



## Employment

### **Graz University of Technology**

Institute of Technology and Testing of Construction Materials (2060)  
Graz University of Technology (90000)  
Graz, Austria  
1 May 2015 → present

## Research interests

Non-destructive testing, wireless structural health monitoring, materials testing and tests methods, durability and sustainability of materials, concrete technology, preservation of cultural heritage

## Projects

### **EU - SensMat - Preventive solutions for Sensitive Materials of Cultural Heritage**

Bergmann, A. (Co-Investigator (Col)) & Krüger, M. (Co-Investigator (Col))  
1/01/19 → 31/08/22

### **green.LAB - Permanent temporary city oasis in urban transformation processes**

Krüger, M. (Co-Investigator (Col)) & Monsberger, M. (Co-Investigator (Col))  
1/02/18 → 31/01/21

### **IoT4SHM - Wireless sensor systems for structural monitoring**

Krüger, M. (Co-Investigator (Col))  
1/02/24 → 31/07/25

### **Korrosionsschutz - Corrosion risk and durability of cement clinker reduced concrete**

Krüger, M. (Co-Investigator (Col))  
1/10/17 → 31/12/21

### **Ökoindikatoren-Bau - New indicators to evaluate environmental impacts of building products and constructions**

Maydl, P. (Co-Investigator (Col)) & Krüger, M. (Co-Investigator (Col))  
1/03/14 → 28/02/15

### **PreMainSHM - Preventive structural health monitoring with intelligent, interconnected sensor systems**

Krüger, M. (Co-Investigator (Col)) & Lienhart, W. (Co-Investigator (Col))  
1/07/21 → 30/06/24

### **RetroTeC - Textile Reinforced Concrete for Refurbishment and Strengthening of Traffic Structures**

Nguyen, V. T. (Co-Investigator (Col)), Krüger, M. (Co-Investigator (Col)) & Freytag, B. (Co-Investigator (Col))  
1/09/16 → 31/08/18

### **Speicherdeckel - Solar storage systems south**

Krüger, M. (Co-Investigator (Col))  
1/03/24 → 30/06/26

## **UHPC-Hermetikplatten - Development of HPC/UHPC-Hermetikplates**

Krüger, M. (Co-Investigator (Col))

1/09/17 → 30/04/20

## **ZfP-Erweiterung MedCampus - Building inspection of the HBK M2 West garage**

Krüger, M. (Co-Investigator (Col))

28/04/17 → 31/10/17

## **Research outputs**

### **Improved rheological characterisation of self-compacting cementitious pastes and concrete by advanced slump flow test analysis**

Autischer, M., Mülleder, T., Prskalo, S., Schanz, M., Krüger, M. & Juhart, J., 22 Nov 2024, In: Construction and Building Materials. 452, p. 138857 1 p., 138857.

### **Beton Graz '24: 6. Grazer Betonkolloquium, 12.-13. September 2024**

Schlicke, D. (Editor), Freytag, B. (Editor), Krüger, M. (Editor) & Laggner, T. M. (Editor), Sept 2024, Verlag der Technischen Universität Graz. 308 p.

### **Laboratory Notebook and Database - an RDM Marketplace pilot project: Supplementary material**

Harden, J., Eisner, M., Schmid, B., Sherifova, S. & Krüger, M., 23 Jan 2024

### **Laboratory Notebook and Database Extensions - a RDM Marketplace pilot project: Supplementary material**

Harden, J., Eisner, M., Sherifova, S., Krüger, M., Holzapfel, G. A. & Schmid, B., 23 Jan 2024

### **Interoperable, platform independent structural health monitoring with long-term availability**

Krüger, M., Pongratz, H., Lienhart, W., Mülleder, T., Binder, F. & Willeke, J., Sept 2023, In: CE/Papers. 6, 5, p. 176-183

### **Efficiency of limestone in clinker-reduced binders: Consideration of water-binder ratio, capillary porosity and compressive strength**

Rudić, O., Ukrainczyk, N., Krüger, M., Tritthart, J. & Juhart, J., 10 Jul 2023, In: Construction and Building Materials. 386, 131594.

### **Klimaverträglichkeit als Kriterium für Entwurf und Leistungsfähigkeit von Beton am Beispiel eines Kleintierdurchlasses der öBB**

Juhart, J., Autischer, M., Krüger, M. & Kari, H., Oct 2022, In: Beton- und Stahlbetonbau. 117, 10, p. 760-771 12 p.

### **A practical model to predict the flow of water-powder mixes and its application to mix design of cementitious blends**

Briendl, L., Krüger, M., Mittermayr, F. & Juhart, J., 2022, In: Cement & Concrete Composites. 126, 104352.

### **Beton Graz '22 : 5. Grazer Betonkolloquium, 01./02. September 2022**

Nguyen, V. T. (Editor), Krüger, M. (Editor), Freytag, B. (Editor) & Laggner, T. M. (Editor), 2022, Graz. 256 p.

### **Ökologisierung von Normalbeton – Mischungsentwurf, Performanz und Klimaverträglichkeit**

Juhart, J., Briendl, L., Autischer, M. & Krüger, M., 2022, *Beton Kalender 2023*. Bergmeister, K., Fingerloos, F. & Wörner, J.-D. (eds.). Berlin: Ernst & Sohn

### **The Realization of Clinker-reduced, Performance-based Sustainable Concrete by the Micro-filler, Eco-filler Concept**

Juhart, J., Autischer, M., Sakoparnig, M. & Krüger, M., Sept 2021, In: Materials. 14, 17, 4958.

### **The micro-filler, eco-filler concept for clinker reduced, performance-based and sustainable concrete**

Juhart, J., Autischer, M. & Krüger, M., 15 Jun 2021.

#### **Kann auf den praktischen Einsatz leistungsfähiger Methoden verzichtet werden?**

Monsberger, M., Hopfe, C. J., Krueger, M. & Passer, A., Dec 2020, In: Bauphysik. 42, 6, p. 275-276 2 p.

#### **Wireless sensor networks for monitoring moisture of historic structures by electrical impedance spectroscopy: Instrumentiertes Feuchtemonitoring von historischen Bauwerken mittels elektrischer Impedanzspektroskopie**

Krueger, M. & Lehmann, F., Nov 2020, In: Mauerwerk. 24, 4, p. 248-253

#### **BauSIM 2020 – 8th Conference of IBPSA Germany and Austria: 23-25 September 2020, Graz University of Technology, Austria; Proceedings**

Monsberger, M. (Editor), Hopfe, C. J. (Editor), Krüger, M. (Editor) & Passer, A. (Editor), Oct 2020, Graz: Verlag der Technischen Universität Graz.

#### **Ultrasonic Techniques for Determination and Monitoring Various Properties of Cementitious Materials at Early Ages**

Gabrijel, I., Staquet, S., Krüger, M., Carette, J., Grosse, C. U. & Trtnik, G., 19 Feb 2020, *Springer Tracts in Civil Engineering*. Cham: Springer, p. 23-68 46 p. (Springer Tracts in Civil Engineering).

#### **Influence of specific SCM on microstructure and early strength of sustainable cement blends**

Rudic, O., Juhart, J., Tritthart, J. & Krüger, M., 2020.

#### **Mineralogical and microstructural response of hydrated cement blends to leaching**

Baldermann, C., Baldermann, A., Furat, O., Krüger, M., Nachtnebel, M., Schroettner, H., Juhart, J., Schmidt, V. & Tritthart, J., 30 Dec 2019, In: *Construction and Building Materials*. 2019, 229, p. 1-15 15 p., 116902.

#### **Air permeability, water penetration and water absorption to specify durability of eco-efficient concrete**

Juhart, J., Bregar, R., David, G. A. & Krüger, M., 18 Oct 2019, In: *RILEM Technical Letters*. 4, p. 67-73

#### **Instrumentiertes Feuchtemonitoring von historischen Bauwerken mittels elektrischer Impedanzspektroskopie**

Krüger, M. & Lehmann, F., Sept 2019, In: *Bautechnik*. 96, 9, p. 696-701

#### **Early Strength Improvement of Sustainable Shotcrete**

Briendl, L., Juhart, J., Krüger, M., Mittermayr, F. & Galan Garcia, I., 2019, *International Conference on Sustainable Materials, Systems and Structures (SMSS 2019, Rovinj): New Generation of Construction Materials*. Paris: RILEM Publications S.a.r.l., Vol. Pro 128. p. 447 - 454

#### **Influence of the mixture composition of cementitious matrices on ultrasound investigations at early age**

Krüger, M., Bregar, R., David, G. A. & Juhart, J., 2019, *Proceedings of the International Conference on Sustainable Materials, Systems and Structures (SMSS 2019): Novel Methods for Characterization of Materials and Structures*. Paris: RILEM Publications S.a.r.l., Vol. Pro 128. p. 275 - 283

#### **Comparison of standard concrete and eco-concrete in respect to functional and durability performance**

Juhart, J., Bregar, R., David, G. A. & Krüger, M., 24 Oct 2018, *SynerCrete'18: Interdisciplinary Approaches for Cement-based Materials and Structural Concrete: Synergizing Expertise and Bridging Scales of Space and Time*. Paris - France: RILEM Publications S.a.r.l., Vol. 1. p. 135-140 6 p. (Rilem Proceedings PRO 121).

#### **Influence of the mixture composition of cementitious pastes with optimized packing density on setting and hardening studied by ultrasound investigation**

Krüger, M., David, G. A., Bregar, R. & Juhart, J., 24 Oct 2018, *SynerCrete'18: Interdisciplinary Approaches for Cement-based Materials and Structural Concrete: Synergizing Expertise and Bridging Scales of Space and Time*. Paris - France: RILEM Publications S.a.r.l., Vol. 1. p. 243-248 6 p. (Rilem Proceedings PRO 121).

#### **4. Grazer Betonkolloquium (Beton Graz '18)**

Nguyen, V. T. (Editor), Krüger, M. (Editor), Freytag, B. (Editor), Baldermann, C. (Editor) & Schulter, D. (Editor), 20 Sept 2018, *4. Grazer Betonkolloquium (Beton Graz '18)*. Graz: Verlag der Technischen Universität Graz, 269 p.

### **Erstarrungs- und Erhärtungsverhalten von kalksteinhaltigen Bindemittelleimen**

David, G. A., Juhart, J., Bregar, R. & Krüger, M., 20 Sept 2018, 4. *Grazer Betonkolloquium (Beton Graz '18)*. Graz, p. 245-252 8 p.

### **Textilbeton für die Instandsetzung von Verkehrsbauten**

Krüger, M., Baldermann, C., Bregar, R. & David, G. A., 20 Sept 2018, 4. *Grazer Betonkolloquium (Beton Graz '18)*. Graz: Verlag der Technischen Universität Graz, p. 31-40 10 p.

### **Untersuchungen zum reduzierten Ca(OH)<sub>2</sub>-Gehalts in zusatzstoffoptimierten Bindemitteln**

Baldermann, C., Tritthart, J., Juhart, J. & Krüger, M., 2018, p. 253-260. 7 p.

### **Bauphysiktagung 2016**

Kautsch, P. (Editor), Ferk, H., Hafellner, J., Holter, C., Krüger, M., Leistner, P., Monsberger, M., Sedlbauer, K., Monsberger, M., Sedlbauer, K., Tatzl, S., Tatzl, J., Jansche, R., Starl, H. & Walder, U., 27 Oct 2016, 200 ed. Graz: Verlag der Technischen Universität Graz. 175 p.

### **3. Grazer Betonkolloquium (Beton Graz '16)**

Nguyen, V. T. (Editor), Krüger, M. (Editor), Freytag, B. (Editor) & Santner, G. (Editor), 29 Sept 2016, Graz: Verlag der Technischen Universität Graz. 352 p.

### **Öko-Beton für Fertigteile hoher Frühfestigkeit**

David, G. A., Juhart, J., Mittermayr, F., Krüger, M., Sept 2016, 3. *Grazer Betonkolloquium*.

### **Öko-Beton für Fertigteile mit hoher Frühfestigkeit durch den Einsatz effektiver, mineralischer Mikro- und Eco-Füller**

David, G. A., Juhart, J., Mittermayr, F., Krüger, M., Sept 2016.

### **Eco-concrete for precast elements with effective mineral micro- and eco-fillers.**

David, G. A., Juhart, J., Mittermayr, F., Krüger, M., Aug 2016.

### **Eco-concrete for precast elements with effective mineral micro-and eco-fillers**

David, G. A., Juhart, J., Krüger, M., Mittermayr, F. & Krüger, M., Aug 2016, *Concrete with Supplementary Cementitious materials*.

### **Non-destructive evaluation of historic natural stone masonry with GPR**

Lehmann, F. & Krüger, M., 1 Jan 2016, *Emerging Technologies in Non-Destructive Testing VI - Proceedings of the 6th International Conference on Emerging Technologies in Nondestructive Testing, ETNDT 2016*. CRC Press/Balkema, p. 441-447 7 p.

### **Non-destructive evaluation of eco-friendly cementitious materials by ultrasound**

Krüger, M., Bregar, R., David, G. A. & Juhart, J., 2016, *Service life of Cement-Based Materials and Structures*.

### **Parallel dynamic post processing and analysis of recorded sensor data in real time with cloud computing**

Krüger, M. & Price, E., 1 Jan 2015.

### **Presenting a unified framework for generic sensor data storage, synchronization and post processing independent of sensor type and dimensionality**

Price, E., Krüger, M. & Willeke, J., 1 Jan 2015.

### **Local Acoustic Resonance Spectroscopy (LARS) for Glass fiber-reinforced polymer applications**

Jüngert, A., Große, C. & Krüger, M., 1 Mar 2014, In: *Journal of Nondestructive Evaluation*. 33, 1, p. 23-33 11 p.

### **Assessing the risk of salt weathering in sandstone by instrumented monitoring of the electrical impedance**

Lehmann, F. & Krüger, M., 1 Jan 2014, p. 1855-1862. 8 p.

The monitoring of indoor air quality and comfort: The experience of the project Cetieb  
Revel, G. M., Arnesano, M., Pietroni, F., Frick, J., Reichert, M., Krüger, M., Schmitt, K., Huber, J., Ebermann, M. & Pockel , L., 1 Jan 2014, In: *Procedia Environmental Science, Engineering and Management*. 1, 1, p. 87-92 6 p.

Automated shear-wave techniques to investigate the setting and hardening of concrete in through-transmission  
Krüger, M., Grosse, C. U. & Lehmann, F., 1 Dec 2012, *Nondestructive Testing of Materials and Structures: Proceedings of NDTMS-2011, Istanbul, Turkey, May 15-18, 2011*. p. 431-436 6 p. (RILEM Bookseries; vol. 6).

Long-term wireless monitoring of historic structures-lessons learned from practical applications  
Krüger, M., 1 Dec 2012, *Structural Health Monitoring 2012*. Berlin: Deutsche Gesellschaft für Zerstörungsfreie Prüfung, DGZfP, Vol. 1. p. 589-597 9 p.

Monitoring of salt content in mineral materials using wireless sensor networks  
Frick, J., Lehmann, F., Menzel, K., Pakdel, H. & Krüger, M., 1 Dec 2012, *Nondestructive Testing of Materials and Structures: Proceedings of NDTMS-2011, Istanbul, Turkey, May 15-18, 2011*. p. 1103-1109 7 p. (RILEM Bookseries; vol. 6).

Wireless long-term monitoring of asphalt layer on a motorway bridge and comparative testing of displacement  
Bachmaier, S. A., Gordt, A., Jungmann, S. & Krüger, M., 1 Dec 2012, *Nondestructive Testing of Materials and Structures: Proceedings of NDTMS-2011, Istanbul, Turkey, May 15-18, 2011*. p. 1037-1042 6 p. (RILEM Bookseries; vol. 6).

Wireless monitoring of heritage structures -selected case studies  
Bachmaier, S. A. & Krüger, M., 1 Dec 2012, *Nondestructive Testing of Materials and Structures: Proceedings of NDTMS-2011, Istanbul, Turkey, May 15-18, 2011*. p. 1209-1214 6 p. (RILEM Bookseries; vol. 6).

Wireless monitoring of moisture content in mineral materials by electrical impedance measurements  
Lehmann, F., Frick, J., Krüger, M. & Menzel, K., 1 Dec 2012, *Nondestructive Testing of Materials and Structures: Proceedings of NDTMS-2011, Istanbul, Turkey, May 15-18, 2011*. p. 1165-1171 7 p. (RILEM Bookseries; vol. 6).

Initial development of wireless acoustic emission sensor Motes for civil infrastructure state monitoring  
Grosse, C. U., Glaser, S. D. & Krüger, M., 1 Jan 2010, In: *Smart Structures and Systems*. 6, 3, p. 197-209 13 p.

Wireless monitoring of reinforced concrete structures  
Krüger, M., 1 Jan 2010, *Non-Destructive Evaluation of Reinforced Concrete Structures: Non-Destructive Testing Methods*. Elsevier Inc., p. 111-124 14 p.

A survey on power management for long-term measurements using Wireless Sensor Networks  
Bachmaier, S. A., Krüger, M. & Grosse, C. U., 1 Dec 2009, *Structural Health Monitoring of Intelligent Infrastructure - Proceedings of the 4th International Conference on Structural Health Monitoring of Intelligent Infrastructure, SHMII 2009*.

Ereignisbasierte messwerterfassung in drahtlosen sensornetzwerken für die strukturüberwachung  
Krüger, M. & Große, C., 1 Dec 2009, In: *Technisches Messen*. 76, 12, p. 568-577 10 p.

Wireless monitoring of structures including acoustic emission techniques  
Grosse, C. U., Krüger, M. & Bachmaier, S., 1 Dec 2009, *Concrete Repair, Rehabilitation and Retrofitting II - Proceedings of the 2nd International Conference on Concrete Repair, Rehabilitation and Retrofitting, ICCRRR*. p. 219-220 2 p.

Development of a wireless sensor network to monitor historic structures  
Krüger, M., Grosse, C. U. & Bachmaier, S., 1 Jan 2009, *Structural Health Monitoring 2009: From System Integration to Autonomous Systems - Proceedings of the 7th International Workshop on Structural Health Monitoring, IWSHM 2009*. DEStech Publications, Inc, Vol. 2. p. 2083-2090 8 p.

Structural health monitoring in civil engineering - Applications using wireless sensor networks  
Grosse, C. U. & Krüger, M., 1 Dec 2008, *Emerging Technologies in ETNDT - Proceedings of the 4th International Conference on Emerging Technologies in Non-Destructive Testing, ETNDT 4*. p. 313-318 6 p.

A hybrid wireless sensor network for acoustic emission testing in SHM  
Grosse, C., McLaskey, G., Bachmaier, S., Glaser, S. D. & Krüger, M., 2 Jun 2008, In: *Proceedings of SPIE - The International Society for Optical Engineering*. 6932, 693238.

Beitrag zur Intelligenten Bauwerksüberwachung mit Drahtlosen Sensornetzwerken  
Krüger, M. & Große, C. U., 1 Jul 2007, *Bautechnik*, 84, 7, p. 502-508 7 p.

Structural health monitoring using acoustic emission array techniques  
Grosse, C. U., Krüger, M., Glaser, S. D. & McLaskey, G., 1 Jan 2007, *Structural Health Monitoring 2007: Quantification, Validation, and Implementation - Proceedings of the 6th International Workshop on Structural Health Monitoring, IWSHM 2007*. DEStech Publications, Inc, Vol. 2. p. 1157-1164 8 p.

Acoustic emission analysis techniques for wireless sensor networks used for structural health monitoring  
Krüger, M., Grosse, C. U. & Kurz, J. H., 1 Dec 2006, *Proceedings of the 3rd International Conference on Bridge Maintenance, Safety and Management - Bridge Maintenance, Safety, Management, Life-Cycle Performance and Cost*. p. 873-874 2 p.

Crack depth determination at large concrete structures using scanning impact-echo-techniques  
Krüger, M., Grosse, C. U. & Reinhardt, H. W., 1 Dec 2006, *Proceedings of the 3rd International Conference on Bridge Maintenance, Safety and Management - Bridge Maintenance, Safety, Management, Life-Cycle Performance and Cost*. p. 937-939 3 p.

Impact-echo techniques for non-destructive inspection of concrete structures  
Grosse, C. U., Beutel, R., Reinhard, H. W. & Krüger, M., 1 Dec 2006, *Concrete Repair, Rehabilitation and Retrofitting - Proceedings of the International Conference on Concrete Repair, Rehabilitation and Retrofitting, ICCRRR 2005*. p. 174-176 3 p.

Wireless monitoring of concrete structures using Micro-Electro-Mechanical Sensors (MEMS)  
Grosse, C. U., Kurz, J., Reinhard, H. W., Krüger, M., Marrón, P. J., Rothermel, K., Meyer, J. & Feltrin, G., 1 Dec 2006, *Concrete Repair, Rehabilitation and Retrofitting - Proceedings of the International Conference on Concrete Repair, Rehabilitation and Retrofitting, ICCRRR 2005*. p. 493-494 2 p.

Condition monitoring of concrete structures using wireless sensor networks and MEMS  
Grosse, C. U., Glaser, S. D. & Krüger, M., 20 Jul 2006, *Smart Structures and Materials 2006 - Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems*. Vol. 6174 I. 61741C

Application of Impact-Echo techniques for crack detection and crack parameter estimation in concrete  
Grosse, C. U., Reinhardt, H. W., Krüger, M. & Beutel, R., 1 Dec 2005, *11th International Conference on Fracture 2005, ICF11*. Vol. 7. p. 4884-4889 6 p.

Wireless structural health monitoring using MEMS  
Krüger, M., Große, C. U. & Marrón, P. J., 1 Dec 2005, In: *Key Engineering Materials*. 293-294, p. 625-634 10 p.

Textilbewehrter beton unter brandbeanspruchung  
Krüger, M., Reinhardt, H. W., Raupach, M. & Orłowski, J., 9 Nov 2005, *Betonwerk + Fertigteil-Technik*, 71, 10, p. 38-48 11 p.

Experiment on interface bonding performance of carbon textile reinforced concrete sheets  
Xun, Y., Sun, W., Reinhardt, H. W. & Krueger, M., 1 Jul 2005, In: *Journal of Southeast University / Natural Science Edition*. 35, 4, p. 593-597 5 p.

Bond characteristics of carbon, alkali resistant glass, and aramid textiles in mortar

Xu, S., Krüger, M., Reinhardt, H. W. & Ožbolt, J., 1 Jul 2004, In: Journal of Materials in Civil Engineering. 16, 4, p. 356-364  
9 p.

Vorgespannte bauteile aus textildbewehrtem beton

Krüger, M. & Reinhardt, H. W., 1 Jun 2004, In: Beton- und Stahlbetonbau. 99, 6, p. 472-475  
4 p.

Concrete prestressed with textile fabric

Reinhardt, H. W., Krüger, M. & Große, C. U., 1 Nov 2003, In: Journal of Advanced Concrete Technology. 1, 3, p. 231-239  
9 p.

## Activities

### 5. Grazer Betonkolloquium

Nguyen, V. T. (Participant), Krüger, M. (Participant) & Freytag, B. (Participant)  
1 Sept 2022 → 2 Sept 2022

### 5. Grazer Betonkolloquium (Event)

Nguyen, V. T. (Editorial board member), Freytag, B. (Editorial board member), Krüger, M. (Editorial board member) & Laggner, T. M. (Editorial board member)  
1 Sept 2022 → 2 Sept 2022

### Cement and Concrete Research (Journal)

Krüger, M. (Peer reviewer)  
1 Jan 2019 → 30 Dec 2025

### Materials (Journal)

Krüger, M. (Peer reviewer)  
1 Jan 2019 → 31 Dec 2025

### Wireless monitoring system for cultural heritage buildings and structures

Krüger, M. (Speaker)  
15 Nov 2018

### Zerstörungsfreie Prüfung in der Baupraxis – Quo vadis?

Krüger, M. (Speaker)  
13 Nov 2018

### 4. Grazer Betonkolloquium

Krüger, M. (Organiser), Nguyen, V. T. (Organiser) & Freytag, B. (Organiser)  
20 Sept 2018 → 21 Sept 2018

### ÖBV, Wien (Österreich) (External organisation)

Krüger, M. (Chair)  
10 Sept 2018 → 31 Dec 2022

### Baukongress 2018

Krüger, M. (Participant), Lenz, M. (Participant), Schulte, D. (Participant) & Juhart, J. (Participant)  
19 Apr 2018 → 20 Apr 2018

### Drahtlose Sensornetze für die instrumentierte Dauerüberwachung historischer Bauwerke

Krüger, M. (Speaker)  
28 Feb 2018 → 1 Mar 2018

**Österreichisches Normungsinstitut ON (External organisation)**

Krüger, M. (Member)

30 Jun 2017 → 31 Dec 2025

**Beton- und Stahlbetonbau (Journal)**

Krüger, M. (Peer reviewer)

1 Jan 2017 → 31 Dec 2025

**3. Grazer Betonkolloquium**

Krüger, M. (Organiser), Nguyen, V. T. (Organiser) & Freytag, B. (Organiser)

29 Sept 2016 → 30 Sept 2016

**Deutsche Gesellschaft für Zerstörungsfreie Prüfung (External organisation)**

Krüger, M. (Chair)

2 Jan 2015 → 31 Dec 2022

**C3 - Carbon Concrete Composite**

Krüger, M. (Evaluator)

1 Jan 2015 → 30 Dec 2020

**Deutsche Gesellschaft für Zerstörungsfreie Prüfung (External organisation)**

Krüger, M. (Member)

1 Jan 2015 → 31 Dec 2022

**Deutsche Gesellschaft für Zerstörungsfreie Prüfung (External organisation)**

Krüger, M. (Member)

1 Jan 2015 → 31 Dec 2022

**Deutsche Gesellschaft für Zerstörungsfreie Prüfung (External organisation)**

Krüger, M. (Member)

1 Jan 2015 → 31 Dec 2022

**Deutsche Gesellschaft für Zerstörungsfreie Prüfung (External organisation)**

Krüger, M. (Member)

1 Jan 2015 → 31 Dec 2022

**Rilem (External organisation)**

Krüger, M. (Member)

1 Jan 2015 → 31 Dec 2022