

Rolf Eligehausen

University of Stuttgart
Institute of Construction Materials, University of Stuttgart
Department of Fastening Technique
Pfaffenwaldring 4
70550 Stuttgart

Phone:+49-711-685 33 22

Fax: +49-711-685 2285

e-mail: sekretariat-eligehausen@iwb.uni-stuttgart.de

Current position

Professor, University of Stuttgart, Institute of Construction Materials, Department of Fastening Technique

Education

Diplomingenieur Civil Engineering, Technical University of Braunschweig
Dr.-Ing. Civil Engineering, University of Stuttgart

Research Interests

Reinforced Concrete
Fracture Mechanics
Fastening Technique

Career

Research Engineer at the Technical University of Braunschweig, Germany
Research Engineer at the University of Stuttgart, Germany
Senior Research Engineer, University of Stuttgart
Research Engineer at the University of California, Berkeley, USA
Head of the Department of Fastening Technique at the Institute of Construction Materials, University of Stuttgart
Professor of Fastening Technique at the University of Stuttgart

Honors and awards

2003, José Calavera Prize (with Dr.-Ing. Utz Mayer)

Professional activities

Community services

German Institute for Building Technique:

- Technical Committee "Reinforced Concrete Structures"
- Technical Committee "Anchors and Anchor Channels"

German Association for Reinforced Concrete

- Committee "Design and Detailing"
- Committee "Reinforcement"

European Organization for Normalization (CEN)

- TC104/SC8/WG2 "Anchoring Products"
- TC 250/SC2/WG2 "Design of Fastenings" (Convener)

Fédération International du Béton (fib)

- "Steering Committee"
- TG 4.5 "Bond Models"
- SAG 2 "Fastening to Concrete and Masonry Structures" (convener)

European Organization for Technical Approvals (EOTA)

- WG 6.01 "Anchors"

American Concrete Institute (ACI)

- Committee 408 "Bond"
- Committee 355 "Anchorage to Concrete"
- Committee 349 Anchorage

American Society for Testing Materials (ASTM)
- Committee EO6 "Performance of Building Constructions"

University services
Dean of Student Affairs since 2001

Summary of journal publications

Journal	Impact factor	Number of papers
Total number of publications in journals and proceedings		230

Selected publications (max. 5)

Eligehausen, R.; Lettow, S.; Ozbolt, J.: Bond of RC Members Using Non-linear 3D FE-Analysis: In: Fracture Mechanics of Concrete Structures, Vail, 2004

Eligehausen, R. (Herausgeber): Connections between Steel and Concrete. RILEM Proceedings PRO 21. The Publishing Company of RILEM, Cachan, Sept. 2001

Eligehausen, R.; Mayer, U.: "Untersuchungen zum Einfluss der bezogenen Rippenfläche von Bewehrungsstäben auf das Tragverhalten von Stahlbetonbauteilen im Gebrauchs- und Bruchzustand, Deutscher Ausschuss für Stahlbeton, Heft 503, Beuth Verlag GmbH Berlin 2000

Eligehausen, R.; Mallée R.: Befestigungstechnik im Beton- und Mauerwerksbau. Verlag Ernst & Sohn, Berlin, 2000

Eligehausen, R.; Bigaj-van Vliet, A.: Bond Behaviour and Models. In: Structural Concrete, Textbook on Behaviour, Design and Performance, Volume 1, fib Bulletin 1, Lausanne, 1999, S. 161 – 187

Other relevant information

Workshop and Conference Committees

RILEM Symposium: Connections between Steel and Concrete, Sept. 2001
Forschungskolloquium of the German Association of Reinforced Concrete 2006

Scientific Committee

fib Conference: Keep concrete beautiful, Budapest 2005