

Brief characteristics of an applicant in habilitation proceedings at CTU in Prague

Applicant: Dr.-Ing. Roman Lenner, PE

A) In pedagogical field

- 1) Number of PhD students for whom the applicant was appointed supervisor, or specialist supervisor and who successfully defended their PhD theses:

3

- 2) Number of defended master/~~bachelor~~ theses supervised by the applicant:

7

- 3) Applicant's most prominent deed in the field of teaching:

Development of new contents for modules Concrete Bridges, Basis of Bridge Design and Concrete 03D at CTU

- 4) Assessment of the applicant in the student Anketa questionnaire in the last 4 semesters:

1,00 Winter 23/24

1,25 Summer 22/23

0,00 Winter 22/23

1,17 Summer 21/22

B) In the field of creative activity

- 1) Three significant original outcomes of creative activity of arch. or art. realizations:

Caprani, C., Lenner, R. Short-to-medium span bridges in **Bridge Traffic Loading** by O'Brien, E., Nowak, A., Caprani, C., 1st Edition, CRC Press, London, 2021

Lenner, R., Sykora, M., **Partial factors for loads due to special vehicles on road bridges**, Engineering Structures Vol 106: 137-146, 2016

van der Spuy, P., Lenner, R., Caprani C., de Wet T., **Multiple lane reduction factors based on multiple lane weigh in motion data**. Structures Vol 20: 543-549, 2019.

2) H-index with self-citations not included:

7

3) Number of citations WOS/Scopus/reactions of arch. work, self-citations not included:

106

4) Mobility (stays in a workplace abroad – place, duration and outcomes of the stay):

Universität der Bundeswehr 2010-2014 PhD studies

Stellenbosch University 2014-2021 Senior Lecturer/ Associate Professor

Technical University of Barcelona May – July 2018 Sabbatical

5) Two most prominent grant projects of which the applicant was a recipient or co-recipient (applicant or co-applicant):

2023-2025 South Africa RF7 – 7a.1 Bridge Load Model (R6.4M); Project Leader (Applicant)

2022-2024 South Africa RF7 – 7a.2 Integral Bridges (R12.2M); Task Leader (Co-Applicant)

6) Example(s) of implementation of applicant's outcomes in practice:

Team of Expert of Military Bridge Assessment – Safety Concept for Bridge Crossing, NATO

7) Most prominent recognition by community (incl. recognition in an arch. or art. competition):

Karl-Kling Forschungspreis Award for the doctoral thesis

8) Most prominent service for the community:

IABSE Structural Engineering International – Editorial Board

In Prague on

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