

Doctoral Thesis 2023/2024

Doctoral programme – Civil Engineering

No.	Supervisor	Thesis
1	doc. Ing. Petr Konečný, Ph.D.	Effect of the random variable description on the estimation of reinforced concrete durability
2	prof. Ing. Stanislav Pospíšil, Ph.D.	Interference effects on aerodynamic wind forces on high-rise buildings
3	doc. Ing. Vít Křivý, Ph.D.	Corrosion damage of bolted joints in structures designed from weathering steel
4	doc. Ing. Vít Křivý, Ph.D.	Impact of local corrosion damage on the fatigue resistance of steel structures
5	doc. Ing. Vít Křivý, Ph.D.	Evaluation of the corrosion evolution of the weathering steel based on visual surface characteristics
6	prof. Ing. Martin Krejsa, Ph.D.	Numerical modeling of welds in steel structures
7	prof. Ing. Martin Krejsa, Ph.D.	Statical analytisis of steel support element connections using the front plate with four screws in a row
8	prof. Ing. Martin Krejsa, Ph.D.	Global static analysis of light steel buildings with a focus on connections of thin-walled load-bearing elements
9	prof. Ing. Martin Krejsa, Ph.D.	Stiffness and static analysis and shape optimization of selected composite cross sections
10	prof. Ing. Martin Krejsa, Ph.D.	Optimization of steel structures subjected to impact loading
11	prof. Ing. Martin Krejsa, Ph.D.	Fatigue damage modeling of cyclically loaded steel structures using probabilistic methods
12	prof. Ing. Martin Krejsa, Ph.D.	Probabilistic reliability assessment of supporting structures using Direct Optimizing Probabilistic Calculation
13	doc. Ing. Bc. Oldřich Sucharda, Ph.D.	Design of fiber reinforced concrete and determination its properties for structural use

14	doc. Ing. Bc. Oldřich Sucharda, Ph.D.	Reinforced concrete beams without shear reinforcement
15	prof. Ing. Martina Peřinková, Ph.D.	Research on changes in the use of the urban parterre in city centers
16	prof. Ing. Martina Peřinková, Ph.D.	Research on the typology of shopping areas and business operations with a change in the philosophy of selling goods
17	prof. Ing. Martina Peřinková, Ph.D.	Research into the possibilities of converting technological objects from reinforced concrete structural systems