

Dr.-Ing. Jörg Jungwirth



3.1.72
German
Swiss residence permit B
Single
jorg.jungwirth@epfl.ch

Ch. de Montelly 31
1007 Lausanne
Tel.: +41/21/693 63 74
Mob.: +41/78/822 99 79
<http://beton.epfl.ch/Person/Jungwirth/>

Professional Experience

- 8/00 – present Research assistant at the **Structural Concrete Laboratory Swiss Federal Institute of Technology (EPFL)**, Switzerland
- **PhD**: structural behavior of ultra high performance concrete (UHPC)
 - **Industrial Scholarship**: Swiss Cement Federation **Cemsuisse**
 - **Industrial Contacts**: Holcim AG, Eiffage TP, SIKA SA Paris, Alphabéton
 - Teaching activities at the department of **civil engineering** (8/00 – present) and **architecture** (4/02 – 6/03)
- 5/00 – 7/00 Engagement at **Greencity**, Munich
- Event - management of ‘Bladenight München 2000’
- 5/99 – 12/99 Engagement at the **Swiss Federal Institute for Snow and Avalanche Research (SLF)** Davos, Switzerland
- Analysis of the avalanche damages during the winter 1999
- 8/96 - 10/96 Internship at **Dywidag-Systems-International** France, Paris
- Technical assistant (prestressing and geotechniques)
- 8/93 - 10/93 Internship at Alois **Inhofer carpenter**, Munich

Training and Education

- 2/06 **PhD - Thesis** (docteur ès sciences EPFL)
- 4/99 **Diploma** in Civil Engineering (Dipl. - Ing. TUM)
- 10/98 - 3/99 Diploma thesis at the **Swiss Federal Institute for Snow and Avalanche Research (SLF)** Davos, Switzerland
- Analysis of the bridge ‘Ri di Rialp’ which was destroyed by an avalanche
- 10/97 - 8/98 ERASMUS exchange at the **Swiss Federal Institute of Technology (EPFL)**, Switzerland
- Focus on structural engineering
- 11/93 – 4/99 Studies of **Civil Engineering, Technical University of Munich (TUM)**
- Specialization: design and management of construction projects

Language Skills and IT

Languages	German: mother tongue French: expert English: fluent
IT	Standard applications: MS-Office Engineering: Cubus, Maps, QSE Drawing: Auto-CAD, Illustrator, Photoshop

Publications and Conferences

PhD thesis	Jungwirth J. , <i>Structural Behavior of Tension Members in Ultra High Performance Concrete</i> (in German), PhD thesis EPFL No. 3429, p. 158, Lausanne, 2005 .
Articles	Jungwirth J., Muttoni A. et al. , <i>Structural use of ultra - high performance fiber reinforced concrete</i> , conference FRC - from theory to practice, Bergamon, 2004 . Jungwirth J., Muttoni A. , <i>Structural Behavior of Tension Members in Ultra High Performance Concrete</i> , International Symposium on UHPC, pp. 533-546, Kassel, 2004 . Jungwirth J. , <i>Underspanned Bridge Structures in Reactive Powder Concrete</i> , 4 th International PhD Symposium in Civil Engineering, pp. 305 – 310, Munich, 2002 .
Conference presentations	Jungwirth J. , <i>Recent Research in Structural Behavior of UHPC with regard to the Design of UHPC Structures</i> , Fibre Reinforced Concrete in Practice, Graz, 2005 . Jungwirth J. , <i>Structural Behavior of Tension Members in Ultra High Performance Concrete</i> , International Symposium on UHPC, Kassel, 2004 . Jungwirth J. , <i>Underspanned Bridge Structures in Reactive Powder Concrete</i> , 4 th International PhD Symposium in Civil Engineering, Munich, 2002 .
Reports and Books	Jungwirth J., Muttoni A. , <i>Versuche zum Tragverhalten von ultra hochfestem Beton – Teil 1 Material & Teil 2 Bauteile & Kurzfassung</i> , EPFL, IS-BETON Bericht 00.02.R3 & R4 & R8, p. 100 & 104 & 27, Lausanne, 2004 - 2005 . Ammann W., Jungwirth J. et al. , <i>The Avalanches in Winter 1999 – Analysis of the occurrences</i> (in German), Swiss Federal Institute for Snow and Avalanche Research, p. 588, Davos, 2000 .
Diploma thesis	Jungwirth J. , <i>Mechanisms of Damage and Vulnerability of Constructions Subject to Avalanche Impact</i> (in German), case study Ri di Rialp - bridge at Lukmanierpass, p. 93, Davos, 1999 .

Personal Interests

Interests in foreign cultures	Working stay in France, Austria, Switzerland Study trip to South America, India, Oman, Scandinavia, Canada, etc.
Skiing instructor	Instructor at the Ski school Freising and Club Med
Member of the alpine club	Group leader , avalanche security