

## CURRICULUM VITAE

### **Kamil Ustaszewski**

Postdoctoral Research Scientist  
Department of Geosciences  
National Taiwan University  
*Tectonics, Structural Geology*

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### **Personal information**

Full name	Kamil Marek Ustaszewski
Date of birth	12 February 1974
Place of birth	Warsaw, Poland
Citizenship	Austrian
Residence	Changxing Street, Lane 85, No. 22, 4 F., Taipei City
Marital status	married to Michaela Ustaszewski (born Lukesch)
Languages	Polish (1 <sup>st</sup> mother tongue) German (2 <sup>nd</sup> mother tongue) English (oral and written) French (basic) Serbian/Croat (basic) Mandarin Chinese (basic)

### **University education**

2000 – 2004	PhD in structural geology and tectonics, Department of Geosciences, University of Basel, Switzerland. Supervisors: Stefan Schmid, Peter Ziegler
1993 - 2000	MSc in geology at the University of Innsbruck, Austria. Supervisors: Rainer Brandner, Christoph Spötl

### **Research fields**

- geological mapping
- regional geology
- structural geology and tectonics
- analogue sand-box modeling
- fault slip analysis
- neotectonics
- reflection seismic interpretation
- tectonometamorphic studies

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**Current position**

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since 2008                      Visiting Assistant Research Fellow with John Suppe at the Department of Geosciences, National Taiwan University.

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**Previous positions**

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2004 – 2007                      Post-Doctoral Fellow with Stefan Schmid, Department of Geosciences, University of Basel, Switzerland.  
Project: “Tisza and its role in the framework of the tectonic evolution of the Alps, Dinarides and Carpathians”.  
Funding: Swiss National Science Fund

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**Current research projects**

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- tectonometamorphic evolution of the suture between the Adriatic and Europe-derived microplates (East Central Europe)
- role of inherited faults on the structure of the Western Foothills fold and thrust belt, Taiwan
- crustal-scale geological synthesis of the Taiwan fold and thrust belt

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**Previous research projects**

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**Post-Doc level**

- control of rift width on synrift-sedimentation (Upper Rhine Graben)
- tectonic evolution of the Alpine-Carpathian-Pannonian-Dinaride domain (Central Europe)
- Mesozoic ophiolites on the Balkan Peninsula (East Central Europe)
- Electron-microprobe dating of monazites

**PhD level**

- control of pre-existing faults on the kinematics of the Jura fold-and-thrust belt
- analogue modelling of fault reactivation
- Cenozoic evolution and neotectonics of the northwestern Alpine foreland

**MSc level**

- stratigraphy, tectonics and low-grade metamorphism of the Upper Austroalpine nappes in the Engadine Dolomites (Italian-Swiss Eastern Alps)

## Field Experience

### Fold and thrust belts

- Austrian, Swiss and Italian Alps
- Jura Mountains (Switzerland and France)
- Dinarides (Croatia, Bosnia-Herzegovina, Serbia, Montenegro)
- Hellenides, Cyclades (Greece)
- internal Carpathians (Romania)
- Taiwan

### Basins and rift settings

- European Cenozoic rift system: Upper Rhine Graben, Bresse Graben
- Pannonian Basin (Croatia, Serbia, Bosnia-Herzegovina)
- Transylvanian Basin (Romania)
- Vienna Basin (Austria)
- Gulf of Corinth (Greece)

### Palaeozoic basement massifs

- Black Forest (SW Germany)
- Massif de la Serre (E France)

## Awards

2006	“Otto Ampferer Young Scientist Award” of the Austrian Geological Society
1996, 1998	undergraduate excellence scholarships, Faculty of Natural Sciences, University Innsbruck, Austria

## Research grants

- travel grant for conference attendance and field trip participation in Oman, 2000 (granted by Freiwillige Akademische Gesellschaft Basel, 5000,- CHF)
- 3 year research project "A crustal-scale geological synthesis of the Taiwan thrust belt" - funded by the National Science Council Taiwan, NSC 97-2811-M-002-082 (4,500.000 NTD), lead-PI.

## Invited lectures

2008	GeoForschungsZentrum Potsdam, Germany Chinese Petroleum Company, Miaoli, Taiwan National Hualien University of Education, Taiwan Ludwig-Maximilians-University Munich, Germany
2007	Martin Burkhard Memorial Conference, Neuchâtel, Switzerland

**Invited lectures (continued)**

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| 2006 | Annual Convention of the Swiss Association of Petroleum Geologists and Engineers, Rheinfelden, Switzerland |
| 2005 | CNRS-CRPG Nancy, France<br>University of Bern, Switzerland<br>University of Innsbruck, Austria             |

**Teaching experience**

- geological mapping and cross section constructions
- stereographic projection techniques
- fault-slip analysis, "paleostress methods"
- introductory geophysics, plate tectonics
- structural geology
- transmitted light microscopy
- ore prospection and subsurface mapping
- geological field trips

**Professional skills**

- mineral separation techniques
- XRD, XRF, electron microprobe analyses
- Illite crystallinity, vitrinite reflectance
- transmitted and reflected light microscopy
- fault-slip analyses
- analogue ("sandbox") modelling
- reflection seismic interpretation

**Computer literacy**

- ESRI ArcMap
- GMT
- MS Quickbasic
- Adobe Suite
- TectonicsFP, Stereonett
- MS Excel, MS Access, Sigmaplot, Kaleidagraph, Filemaker Pro
- MatLab
- goCAD

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**Selected non-profit activities**


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| 2007       | Organiser and leader of an excursion on neotectonics for the Swiss Tectonic Studies Group (with H. Madritsch and S. Schmid)             |
| 2006       | Invited excursion leader at the annual convention of Swiss petroleum geologists, Switzerland  |
| 2003       | Co-convener of an international symposium on “Assessing Natural Hazards in a densely populated area, 4th EUCOR-URGENT workshop”, Basel  |
| since 2002 | solicited reviews for Journal of Structural Geology, Geological Society of London Special Publications and Swiss Journal of Geosciences |
| 1997-1999  | undergraduate student delegate in study commission earth sciences at the University Innsbruck, Austria                                  |

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**Professional affiliations**


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- Swiss Geological Society
- Austrian Geological Society
- American Geophysical Union
- Geological Society of America

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**Collaborative contacts**


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**Geochronology, Petrology**

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|-----------------------|--------------------------------------|
| • Friedrich Finger    | Univ. Salzburg, Austria              |
| • Wolfgang Frank      | Central European Argon Lab, Slovakia |
| • Bernhard Fügenschuh | Univ. Innsbruck, Austria             |
| • Alexandre Kounov    | Univ. Basel, CH                      |
| • Erwin Krenn         | Univ. Salzburg, Austria              |
| • Boško Lugović       | Zagreb, Croatia                      |
| • Urs Schaltegger     | Univ. Geneva, CH                     |
| • Ralf Schuster       | Austrian Geological Survey           |

**Geophysics**

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|-------------------|----------------------------|
| • Eduard Kissling | ETH Zurich, Switzerland    |
| • Wim Spakman     | Univ. Utrecht, NL          |
| • Yih-Min Wu      | National Taiwan University |

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**Collaborative contacts (continued)**

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**Palaeontology**

- Jean-Pierre Berger Univ. Fribourg, CH
- Michèle Caron Univ. Fribourg, CH
- Lukas Hottinger Univ. Basel, CH

**Tectonics**

- Daniel Bernoulli Univ. Basel, CH
- Pierre Dèzes Swiss Academy of Sciences
- Shih-Tsann Huang Chinese Petroleum Company, Miaoli, Taiwan
- Liviu Matenco Vrije Universiteit Amsterdam, NL
- Dick Nieuwland (formerly at) VU Amsterdam
- Stefan M. Schmid Univ. Basel
- John Suppe National Taiwan University
- Matthias Tischler StatoilHYDRO, Stavanger, Norway
- Andreas Wetzel University Basel, CH
- Peter Ziegler Binningen, CH

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**Non-professional activities**

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- Mountaineering
- Ski touring, Cross country skiing, Telemark skiing
- Choir singing (former member of Basel University choir)