

# Prospects of BIONICS for Functional Materials Science and Engineering

**Mi, 22. September 2010**

Impulszentrum für Werkstoffe,  
Roseggerstraße 12, 8700 Leoben

## Info und Anmeldung

**Wissenschaftliche Leitung**  
**Univ.Prof.Dr. Oskar PARIS**

Abstracts für Vorträge an:  
[oskar.paris@unileoben.ac.at](mailto:oskar.paris@unileoben.ac.at)

**Anmeldung und Programm**  
[www.ausseninstitut-leoben.at](http://www.ausseninstitut-leoben.at)



## One-Day Workshop on the Prospects of BIONICS for Functional Materials Science and Engineering

Bionics is just on its transition from basic science to first promising applications in technology. In particular the synthesis/construction of novel materials with multifunctional properties based on ideas from nature is thought to be one of the key future application fields of Bionics. This workshop aims at exploring the potential of Bionic Materials Research in Austria by bringing together scientists from Universities, Research Centers and Companies. Topics to be discussed include:

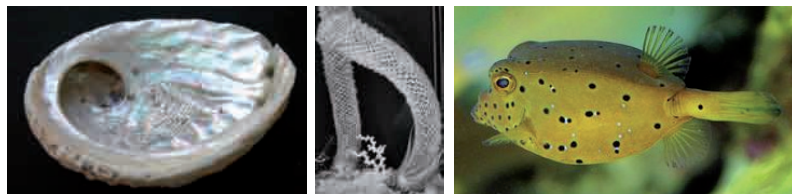
- Hierarchical structuring
- Sensing and Actuation
- Self-healing
- Automotion

The workshop program comprises 8 invited lectures from international experts and 12 short lectures from participants. If more than 12 applications for lectures come in, the organizers will make a decision based on the abstracts. In case of overwhelming interest, a poster session can be arranged in the evening.

### Invited Speakers

P. Fratzl (MPI Colloids & Interfaces, Potsdam)  
 C. Holzer (Univ. Leoben)  
 G. Jeronimidis (Univ. Reading)  
 H. Lichtenegger\* (Aerospace Austria)  
 C. Mitterer (Univ. Leoben)  
 O. Paris (Univ. Leoben)  
 T. Speck (Univ. Freiburg)  
 J. Stampfl (TU Wien)

\*to be confirmed



### Organizers



### Contact

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### Date and Venue

September 22th, 2010  
 University of Leoben  
 Seminarzentrum IZW, 4th floor  
 8700 Leoben, Roseggerstr. 12

### Please register:

<http://technologieakademie.unileoben.ac.at>  
 Fee: € 100,-

### Abstract Deadline

July 30th, 2010