

Associate Professor LaiChang Zhang

Awarded Competitive Grants

- Timothy B. Sercombe, Anthony P. Roberts, Vivien J. Challis, **Lai Chang Zhang**, and Joseph F. Grotowski, Porous beta-titanium bone implants optimized for strength and bio-compatibility: design and fabrication. *ARC Discovery Project (DP110101653)*.
- **Lai-Chang Zhang**, Low-stiffness and high-strength beta titanium nanocomposites for load-bearing implant applications. *2011 UWA Research Development Award*.
- Tim Sercombe and **Lai-Chang Zhang**, Fatigue properties of a biomedical beta titanium component manufactured using selective laser melting. *UWA Research Collaboration Awards 2011 round 4*.
- Vivien J. Challis, Timothy B. Sercombe, Anthony P. Roberts, Joseph F. Grotowski, and **Lai-Chang Zhang**, Manufacturing high strength-to-weight materials via topology optimization and solid freeform fabrication, *UWA-UQ 2011 Bilateral Research Collaboration Award*.
- **Lai-Chang Zhang** and Tim Sercombe, Development of low-modulus beta-type titanium implant scaffolds by selective laser melting. *UWA Research Collaboration Awards 2009*.
- **Laichang Zhang** and Elena Pereloma, Tailoring microstructure and mechanical properties in high performance Ti-Fe based nano/ultrafine-grained alloys by post-processing. *EMI Strategic Funding 2009*, University of Wollongong.
- **Laichang Zhang** and Cheng Lu, Microstructure and mechanical behaviour of ultrafine-grained beta-type titanium alloys produced by accumulated roll bonding process. *URC Small Grant 2009*, University of Wollongong.
- **Laichang Zhang** and Elena Pereloma, Microstructure and textures of sintered near beta-type Titanium alloys. *EMI Strategic Funding 2008*, University of Wollongong.
- J. Eckert, **L.C. Zhang**, P. Yu, W. Xu, and W.Y. Zhang, High-performance titanium and aluminum alloys. Collaboration award, *Alexander von Humboldt Foundation*.
- **Lai-Chang Zhang**, Plastic deformation mechanisms in high-performance Ti-based alloys. *Alexander von Humboldt Foundation*.
- **Lai-Chang Zhang**, Glass-forming ability of Ti-base metallic glasses. *Alexander von Humboldt Foundation*.