



The University of Innsbruck was founded in 1669 and is with over 28.000 students and 4.500 staff the largest institution for higher education and research in western Austria. Under the Doctoral College “Mechatronics Lienz” the University of Innsbruck is advertising a funded position for a doctoral candidate with a duration of four years, starting March 1<sup>st</sup>, 2018.

#### **PhD Position - Call for Applications**

#### **Subject of thesis: Novel Al-based alloy processed by Selective Laser Melting**

The PhD thesis will be carried out within a joint research project between GKN POWDER METALLURGY and the University of Innsbruck / Institute of Mechatronics / Chair for Materials Science. GKN POWDER METALLURGY is a leading multinational company providing high precision metal solutions by shaping ideas from metal powder into solid and high performance components for automotive and industrial applications. GKN POWDER METALLURGY has taken a pioneering role in the industrial application of Additive Manufacturing (AM), a fast emerging technology also known as 3D-printing. The research activity of the AM working group of the University of Innsbruck is focused on next generation AM materials and technology and spans a wide range from fundamental to applied research. One of the main targets is the better understanding of the key mechanisms and based on these findings the appropriate adaption of the material composition.

Research and teaching locations of the PhD student will be Lienz (AT) and Innsbruck (AT) with research stays in Bruneck (IT), Radevormwald (DE) and Cinnaminson (US).

#### **Qualification / desired characteristics:**

- MS degree in Materials Science, Mechatronics, Physics or Mechanical Engineering
- Strong oral and written communication skills
- Ability to successfully work in a team environment
- German language skills and experience in AM may be helpful but are not required.

Candidates should apply by February 15, 2018. The appointment is initially for one year and renewable annually, subject to mutual satisfaction. For more information, please contact:

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