

# Multiple Positions in Robotics/Vision/Learning at U. Innsbruck

In a new research group in Intelligent and Interactive Systems at the [University of Innsbruck](#), directed by Prof. Justus Piater, multiple positions are available for postdoctoral researchers and doctoral students.

## Our Opportunities

These (non-permanent) university research staff positions are not tied to any specific research projects. Research topics are negotiable within the range of activities of the research group. Topics of particular interest include:

- gesture-based human-computer interaction
- video analysis for sign language transcription
- semantic understanding of observed manipulative actions
- exploratory learning from sensorimotor to conceptual levels
- learning to learn: leverage experience to guide future learning
- perception and inference for robotic grasping and manipulation
- landmark-based visual SLAM
- reactive algorithms for obstacle avoidance and navigation

Most of these topics tie in with one active and two upcoming EU-FP7-ICT projects in Cognitive Systems, Interaction and Robotics, offering a vibrant and internationally well-connected research environment.

Postdoctoral researchers are expected to assume leadership roles. In addition, all positions involve minor teaching requirements.

Salaries are internationally competitive and commensurate with qualification and experience.

## Your Profile

Applicants for a postdoctoral position should have earned, or be about to earn, a doctoral degree in a relevant area, possess a strong publication record commensurate with experience, and have demonstrated strengths in at least one of the following areas:

- statistical machine learning
- probabilistic modeling and inference
- computer vision
- robotic grasping or manipulation
- autonomous mobile robotics

Applicants for a doctoral studentship should have earned, or be about to earn, an M.Sc. degree or equivalent in a relevant area, possess an excellent academic record, and have demonstrated prior achievements in any of the above areas.

All applicants should possess good written and oral communication skills in English, a strong

mathematical background, and programming experience. Enthusiasm for leading-edge research, a team spirit and independent problem-solving skills are essential.

## The University of Innsbruck, Austria

The history of the University of Innsbruck, currently [ranked](#) the best Austrian university by [Times Higher Education](#), dates back to 1669. It offers a complete set of academic curricula and currently counts 25000 students. Founded in 2001, the Department of Computer Science is currently expanding and is highly active in research.

Innsbruck is home to about 30000 students who imprint a distinctive, international student atmosphere upon this beautiful city of 120000. Beautifully located in the Tyrolean Alps, on the Inn river and surrounded by peaks of up to 2718m, Innsbruck offers outstanding recreational and cultural value all around the year.

## How to Apply

Interested applicants should [send](#) a letter of motivation, a curriculum vitae, scanned transcripts and diplomas, and contact information of at least two references as a single PDF file.

Applications will be considered as they are received, until all positions are filled.

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