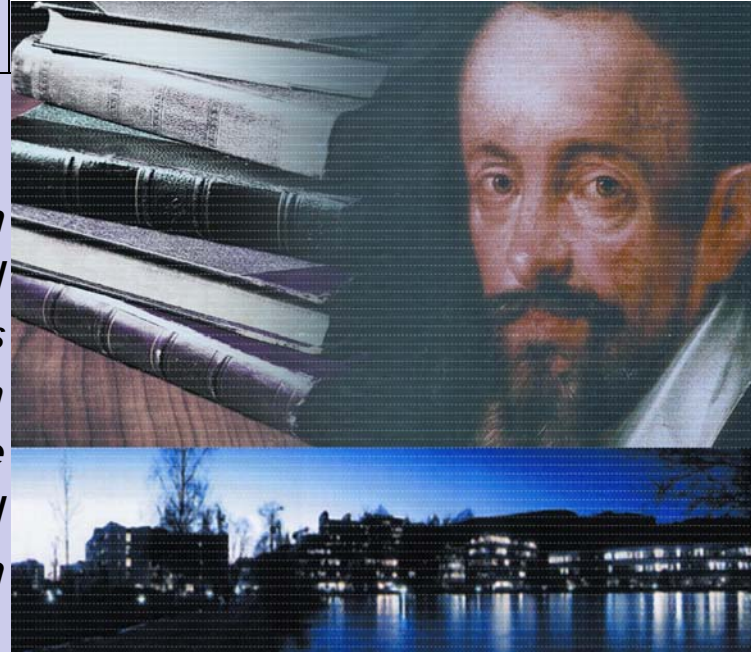




Program

Autonomous Mobile Robots

*Three weeks of intensive learning with experienced academics and practitioners. Visits to Firms and Cities in Austria
120 regular attendance and
130 homework hours program*



JOHANNES KEPLER

UNIVERSITÄT LINZ

INSTITUT LATEINAMERIKA-ZENTRUM

Netzwerk für Forschung, Lehre und Praxis

Program Contents

Courses and Lectures:

Theoretical Part:

One week at the Cety's University

1. *Introduction to Autonomous Mobile Robots*
2. *Locomotion*
3. *Mobile Robot Kinematics*
4. *Perception*
5. *Mobile Robot Localization*
6. *Planning and Navigation*

Two weeks laboratory workshop at the Johannes Kepler University

1. Construction of a mobile robot
2. Modelling of the robot
3. Programming of the robot
4. Controller design for the robot
5. Localization of the robot
6. Path planning for the robot

Course Language: English

- Based on short lectures and small group work with Austrian professors professionals using the modern laboratories and at the Science Park of the University Johannes Kepler.
- Visits to Firms and Sites in Austria Vienna or Salzburg

Duration: high 3 weeks

Participants: min. 18, max. 24

Program Fee: €75.000.– (air fare is not included)

Including cost for courses, inscription, certificates, materials, use of laboratories, accommodation in Linz (single room, breakfast, lunch)

CONTACTS AND FURTHER INFORMATION

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Linz is the third largest city in Austria with approximately 230,000 inhabitants. In Roman times, Linz was a military encampment. More than 500 years ago, Linz was chosen by Emperor Friedrich III - the true father of the Habsburg monarchy - as his private residence, thus establishing Linz as the capital of Upper Austria. Today Linz is a flourishing industrial and commercial center which can look back on more than a thousand years of history and culture.

As an important intersecting point for two major European trade routes, Linz has developed a cosmopolitan flair and maintains a traditional and profitable trade relationship with its neighbors. 12.5% of Austrian exports stem from the area's 225 industrial firms, more than 2000 trading businesses, and over 10.000 small scale industries and crafts. Despite its size, Linz has preserved the charm and warm atmosphere of a small town.

Founded in 1966, Johannes Kepler University is a relative newcomer in the tradition of Central European universities, for instance Prague, founded in 1348 by Emperor Charles IV, and Vienna, founded in 1365. Today, more than 16.000 students are enrolled in degree programs at the three faculties of

- Law,
- Technical and Natural Sciences, and
- Business and Social Sciences. Within the area of "Business Sciences", the main study programs are
- Business Administration,
- International Business and Languages,
- Economics,
- Business Informatics,
- Business Pedagogic and
- Master and Doctor Programs.

Linz was be the European Cultural Capital in 2009

