

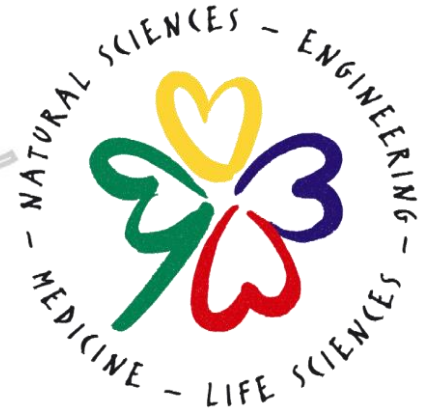


**41st International Workshop on  
Graph-theoretical Concepts in  
Computer Science**

**WG 2015**

Hans Pongratz, Senior Vice President & CIO

# TUM. Campus



## TUM. Facts and Figures

**13** Departments

**411** Buildings

**154** Degree Courses

~ **37.350** Students      33% Female Students  
                                 20% Internat'l Students

~ **11.750** Freshman WS 14/15

~ **1.000** Doctorates

**510** Professors (incl. hospital)

~ **10.000** Staff Members

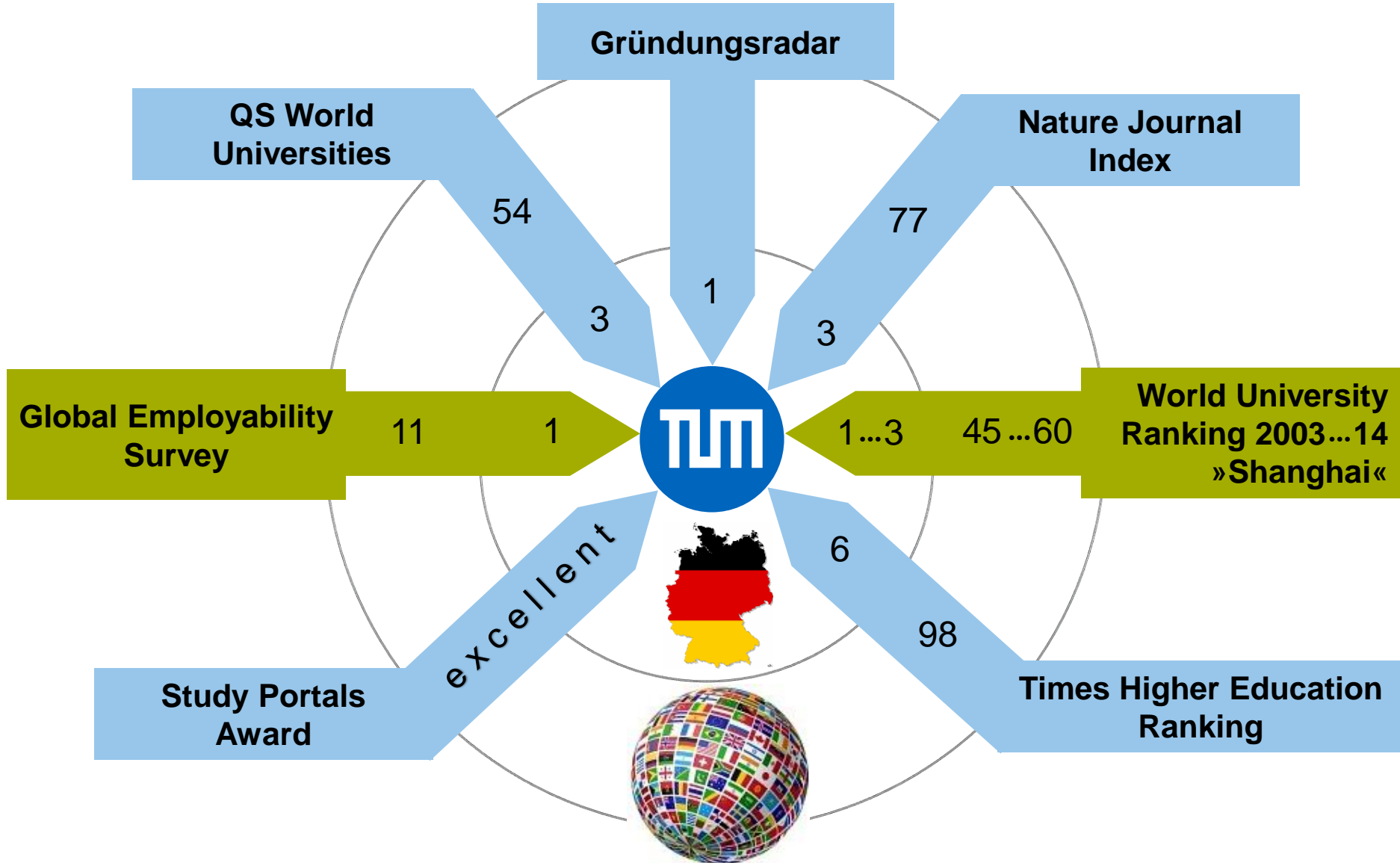
**13** Nobel Prize Laureates

**17** Leibniz Laureates (DFG) since 1986

**4** Humboldt Professors

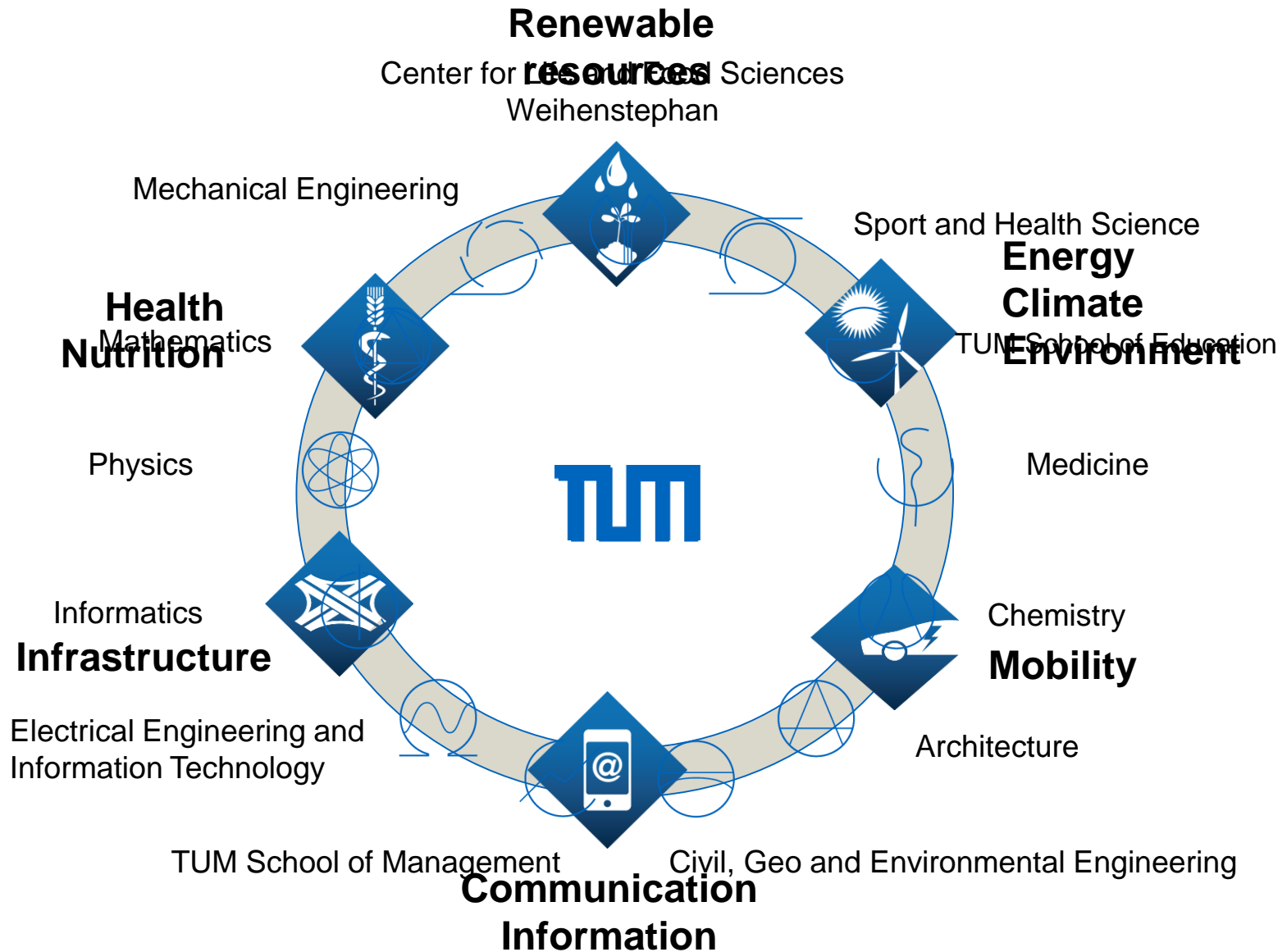


# TUM by University Rankings 2014





# Grand Societal Challenges



## TUM's campaign to acquire international postdocs

- Two times per year at TUM
- Fully funded travel grants for 50 postdocs for one week
- Possibility for chairs to recruit junior researchers
- TUM University Foundation Fellowship (up to 20 awarded per Research Opportunities Week)



## An excellent place for research

Online application s. [www.tum.de/postdoc](http://www.tum.de/postdoc)



# New Formats: Massive Open Online Courses (MOOCs)



HOW IT WORKS COURSES SCHOOLS & PARTNERS

dashboard



## Autonomous Navigation for Flying Robots

In this course, we will introduce the basic concepts for autonomous navigation with quadrotors, including topics such as probabilistic state estimation, linear control, and path planning.

### About this Course

In recent years, flying robots such as miniature helicopters or quadrotors



School:	TUMx
Course Code:	AUTONAVx
Classes Start:	6 May 2014
Course Length:	8 weeks
Estimated effort:	4 hours/week

### Prerequisites:

To follow this course, we recommend a solid background in linear algebra and 3D geometry. The programming exercises will require you to write small code snippets in Python to make a quadrotor fly...