



# The Results of Strategic Collaboration between DTF (Deutsche Technische Fakultät) and Augsburg University of Applied Sciences



**Hochschule Augsburg**  
University of Applied Sciences



# Partners of DTF today

- Augsburg University of Applied Sciences
- Ostbayerische Technische Hochschule Regensburg
- Otto-von-Guericke-Universität Magdeburg
- Hochschule Düsseldorf
- Hochschule Kaiserslautern
- Georg-Goldstein-Schule, kaufmännische Schule in Bad Urach
- Bessarabiendeutschen Verein e. V.



# 1. Cooperation Agreements.

2000 – Foundation of German Technical Faculty

2003 – The first Cooperation Agreement between ONPU and Augsburg

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2012 – Strategic Partnership Agreement between ONPU and Augsburg

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## 2. Fields of the Partnership.



- mechanic engineering, applied mechanics;
- economy and management;
- computer science, software engineering, computer engineering, automation and computer-integrated technologies;
- electromechanical systems of automation and electric drive.





### **3. Students education during a semester and according to «Dual Degree» program 2011 - 2017**

during the period from 2003 to 2010 – 23 students;

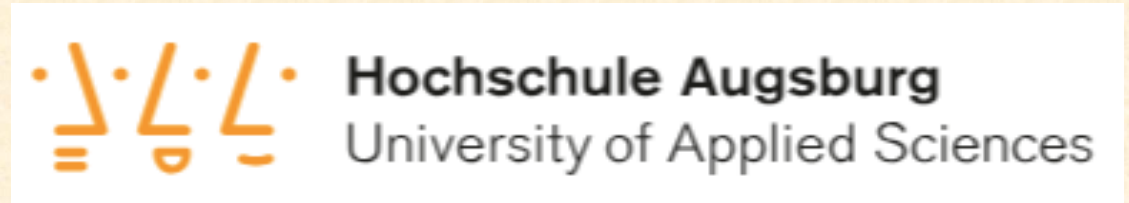
during the period from 2011 to 2017 – 26 students.

In total – 49 students, including 12 with “Dual Degree”:  
Mechanic engineering and applied mechanics – 16;  
Economy and management – 18;  
Automation and computer integrated technology – 3



## 4. Educational projects 2010 - 2014

Implementation Date	Educational Project Topic
09.2010	Designing a two-storied automated parking lot
02. 2011	Designing a trolley using energy saving mechanisms
09.2011	Designing an automated depot for processing small parts blisters
03. 2012	Designing an automated depot for processing small parts
03. 2014	Designing a lift winch



**20 students**



**20 students**



## 5. Scientific and education Projects after 2014

- Carry out researches on the basis of R & D & Start-up School at ONPU
- Professor Torsten Schöler joined the group of mentors of the school
- Since September 2017 starts summer school of intelligent robots programming “New robotics”



- Lectures by professors from universities of Augsburg, Berlin, ONPU
- Students and professors from universities Augsburg, Berlin, ONPU (30 students in each school) as school participants
- Joint scientific researches in the field of “New robotics”





# 6. Curricular practice and language and summer schools.

## Augsburg University of Applied Sciences

Language school, visiting of lectures, enterprises, plants and factories



## Odessa National Polytechnic University

Language summer schools  
Russian language and summer schools  
Visiting of lectures

### Premium AEROTEC Plant Augsburg





# 8. Joint seminars, conferences, theses defenses





# Success Factors of Exchange Programs

- Strategic positioning in motivational spectrum
- Universalization and adaptation of educational content
- Combination of world-class universities involved with high-tech field with highly-developed companies and transnational corporations
- Good knowledge of the ethno-cultural situation and foreign languages





# Complexities on the Way of International Exchange and Their Solutions

## Language related complexities

- Language barrier → Intensive training in foreign language throughout the education cycle with a required technical, economical or human sciences bias
  - Organizing language trainings abroad
- Obtaining language certificate → Creating a branch of TestDaF Institute, opportunity of doing a training course and passing the examination within the faculty





# Curriculum Difference Related Complexities

- ➔ Developing curricula according to international codes
- ➔ Study and integration of partner universities curricula
- ➔ Credit transfer of courses completed at the partner university
- ➔ Courses of lectures in related subjects given by the professors from partner universities



# Cross-cultural Communication Complexities

- ➔ Joint scientific and sociocultural projects with partner universities
- ➔ Guest lectures and seminars in linguistic and cultural studies given by the professors and post-graduate students from partner universities

## Financial Complexities

- ➔ Providing students with the information about existing faculty programs and international grants like Bayhost, DAAD etc.
- ➔ Participation of academic staff and administrative personnel in international forums, conferences and seminars devoted to international exchange to find solutions



End of Presentation

Thank you!