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

2012 – Strategic Partnership Agreement between ONPU and Augsburg University of Applied Sciences
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

<table>
<thead>
<tr>
<th>Implementation Date</th>
<th>Educational Project Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.2010</td>
<td>Designing a two-storied automated parking lot</td>
</tr>
<tr>
<td>02. 2011</td>
<td>Designing a trolley using energy saving mechanisms</td>
</tr>
<tr>
<td>09.2011</td>
<td>Designing an automated depot for processing small parts blisters</td>
</tr>
<tr>
<td>03. 2012</td>
<td>Designing an automated depot for processing small parts</td>
</tr>
<tr>
<td>03. 2014</td>
<td>Designing a lift winch</td>
</tr>
</tbody>
</table>

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!