

T.I.M.E. Projects 2021-2022



Application Form

Deadline for submission: **December 18th, 2020**

Please submit the completed form to: **gwenaelle.guillerme@time-association.org**

Applications must be submitted by e-mail only. You are required to attach a scanned copy of a Letter of Support signed by the Head of your Institution.

Please remember that T.I.M.E. promotes international cooperation and therefore only applications from consortia of at least three T.I.M.E. members in three different countries can be accepted.

You will be notified of the results of the selection after the Advisory Committee meeting on **February 2020**. Projects run from February 2021 to January 2022.

Title of Project	
International Summer School	
Acronym (if any)	
4 TIME TECH	
Details of the Applicant	
Name of Institution(s)	Wrocław University of Science and Technology (WUST)
Faculty/Department/Office	Faculty of Mechanical Engineering/ Office of International Relations
Contact Person/s and Details	Sławomir Susz, PhD – Vice Dean of Mechanical Engineering Faculty/ Ewa Mroczek – T.I.M.E. Coordinator
Summary of the Project (max. 2000 characters)	
<p>The Consortium - four T.I.M.E. member universities - intends to organize the Summer School with support of the T.I.M.E. Association. The main objectives of the International Summer School 4 TIME TECH are: 1) Exchanging experiences in the field in the broad sense of mechanical engineering; 2) Improving professional skills and cooperation between international teams of students from T.I.M.E. partner universities; 3) Improving intercultural communication skills and academic English skills for students; and 4) Facilitating the collaboration between faculty members.</p> <p>The project will promote double degree and other exchange programs. The Summer School will offer interactive small-scale courses that are designed to provide intensive and in-depth look at certain topics of the study.</p> <p>The Summer School provides didactic activities (lectures, group work), carries out small groups of students under the supervision of an individual academic staff. In addition, participants will take part in courses of the Academic English language (during two weekends) as well as Intercultural Communication course. Because of Covid-19 pandemic, all courses will be provided online via zoom or other platforms.</p>	

Specifically, the proposed courses will entail:

A. The Mechanical Engineering courses themes as follows:

1. Production Management – WUST – 15 hours

- An introduction to the history of manufacturing and changes in manufacturing management from the beginning of human history to the present day
- Getting to know the basic terms in the field of production systems management
- Production planning
- Differences between the two basic production strategies: pushing and pulling
- Organizing the production system
- Controlling production stocks

2. Modern Telecommunications and Automation of Production – AGH- 15 hours

- Process design for machining
- Systems of numerical controlled machining
- CNC machine programming - process design
- Industry 4.0 – new approach to automation of production processes
- Robots in industry
- Modern rapid prototyping techniques, reverse engineering

3. Fluid Mechanics: Hydraulics and Sedimentary Transport – Centrale Marseille – 15 hours

Free surface flows:

- elements of theory and numerical modeling
- application for flows in rivers and canals
- transport and deposition of sediments in rivers and coastal areas

B. Academic English Course - WUST – 15 hours with the primary objectives of the course including:

- help the participant recognize and work toward correcting the most noticeable non-native features of their English;
- give the participant idea of planning, organizing, and executing presentations to small and larger groups;
- give the participant useful tips in anticipating and responding appropriately to their audiences' questions and comments.

C. Intercultural Communication Course – RWTH Aachen University -15 hours

The primary objectives of the course include:

- understanding of cultures (including its own culture) and improving the communication with people from other cultures
- developing a greater sensitivity to cultural and linguistic diversity through engagement with critical concepts such as culture, identity, situation and institution
- working on the interdisciplinary approach
- using intercultural communication skills for the practice of the group work

Completion of the Summer School will depend upon successful presentations prepared by students in their work-teams.

Graduation certificates will contain final grade and number of three credits (3 ECTS) which will

be included in the student's achievements supplement. Participation for students from T.I.M.E. Association partners is free of charge.

The main goal of the Summer School is to promote cooperation between partners, especially in the context of cooperation under agreements on double-degree programs and student exchange collaboration under Erasmus + program. All Consortium partners actively cooperate and wish to strengthen their cooperation in order to bring more equal number of student exchanges between partners. Especially the implementation of double degree agreements requires mutual trust, but also the promotion of engaged universities' partnership among the students. There is no better method of getting to know each other than working together in the international group of participants of the Summer School. Participation in the courses will help students learn about other didactic methods and lecturers from other universities, allow them to prove themselves in joint project assignments, and thus may encourage participation in an exchange program or a double degree program. Therefore we hope that the Summer School project will attract students of the senior year Bachelor Degree studies and the first year of the Master Degree studies. Additionally, students who will participate in the Summer School, especially during the pandemic, will have a great opportunity to take advantage of the so-called "Internationalization at home". They will have an opportunity to be exposed to the international academic environment and learn about other cultures.

Reason for applying for T.I.M.E. funding (max. 2000 characters)

We believe that it is an opportunity for the T.I.M.E. members to join forces and take advantage of the current situation and propose the online Summer School curriculum for students from the T.I.M.E. network. It will be our first project outside of the double degree cooperation and a possibility to promote different kinds of collaboration, especially for students who do not know our partner universities despite of the existing marketing efforts. All partners are active T.I.M.E. members, focused on promotion of the network values and the partners' educational offer as well as strengthening existing cooperation. Research partnership and collaboration between professors and faculty members from partner universities, will bring successful outcomes and lay the foundation for the future research projects.

Internationalization and globalization are the concepts which influence the higher education since 1990s. These days, universities have to adapt their education system to changing conditions of a global and intercultural labour market. The methods of academic teaching strategies should include internationalization process, thus integrating the international and intercultural dimensions with the objectives and activities of the universities involved seems to be inevitable. One example of this process are international Summer Schools initiatives, that allow students from different countries to learn about different cultures and different teaching methods, as well as allowing universities to diversify their portfolios and attract students for the full-time studies (double degree offer) and prepare faculty members for challenges of the global education. Summer Schools have been organized at the European Universities since the beginning of the 20th century. The diversity of their curricula and cultural offers have increased during the last decade. Members of this Consortium have diverse experiences in organizing such international projects and together they present a solid foundation for an exciting summer school event for highly motivated students.

Expected outputs of the project

The proposed Summer School will facilitate collaboration skills within the framework of the international group projects; will stimulate and develop students' motivation and collaborative spirit; and will help students master their academic English skills and their intercultural skills. It will be a testing ground for small scale groupwork in the online virtual mobility for students which will bring invaluable experience to them during the pandemic.

Target group/s and expected impact

Students of senior year of the Bachelor Degree Studies and students of the first year of Master Degree Studies enrolled in the T.I.M.E. Association university members. This project will instil new skills in students involved in the Summer School. Upon completion of this project, students will acquire practical knowledge in successful application of their academic skills in the international group settings.

Sustainability of the programme

When launching the Summer School program online, it does not imply a lot of costs. We hope that this program will be successful and attractive for the students. They will be expected to share their positive feedback, therefore we hope that a hybrid version of this program will be introduced next year. The embassies of the involved countries will be informed about the program and will be asked to support and promote this initiative. The T.I.M.E. Coordinators will support all activities of the project. If within the new Erasmus+ program, the possibility will be offered to apply for intensive programs again (like in the former Erasmus program), the Consortium will submit a proposal. Also, the alumni network will be contacted to be aware of the Summer School program within the T.I.M.E. Association and the added value of double degree programs, therefore the increased employability of project participants for the labour market.

Specific deliverables

The following deliverables are planned:

March 2021- promotion of the Summer School on the websites of this Consortium partners and via T.I.M.E. network

May 2021 - starting online registration process for students

July 2021 (3-16 July) - opening of the Summer School - with short presentation of each project partner (promotional film, information about educational offer and main facts), curriculum and courses, Academic English course and International communication course, summary of the work of each group and presentation of the each group projects' results. Each project participant will receive a certificate of completion of the Summer School program.

August 2021 - final report and guidelines for further editions will be published

Total duration of the project
March 2021 - August 2021
Planned budget
10.000 Euro: 4 X 2.500 Euro for each Consortium Partner (4 Universities) The cost will include: Professors' reimbursement Cost of IT platforms adjustment Cost of Promotional Materials (only virtual, institutional websites) Cost of Certificates
Requested financial support from T.I.M.E.
10.000 Euro
Other sources of funding
none
Members of the consortium
<ol style="list-style-type: none"> 1. Wrocław University of Science and Technology, Poland (Project Leader) 2. AGH University of Science and Technology, Cracow, Poland 3. RWTH Aachen, Germany 4. Ecole Centrale de Marseille, France
Key Staff (Name, Position, E-mail)
<ol style="list-style-type: none"> 1. WUST - Sławomir Susz, PhD – Vice Dean of Mechanical Engineering Faculty; slawomir.susz@pwr.edu.pl; Ewa Mroczek - T.I.M.E. Coordinator ewa.mroczek@pwr.edu.pl; 2. AGH - Prof. Jacek Cieřlik; cieslik@agh.edu.pl; Magdalena Grotowska - Department of International Relations: mgr@agh.edu.pl 3. RWTH Aachen - Dr phil. Sabrina Gruebener - International Relations Coordinator; gruebener@fb4.rwth-aachen.de 4. Centrale Marseille - Prof. Olivier Boiron – Dean of International Affairs; olivier.boiron@centrale-marseille.fr Emmy Arts – Head International Relations, T.I.M.E. Coordinator; emmy.arts@centrale-marseille.fr;

- *Attach a signed Letter of Support from the Head of the Applicant Institution* ·
Send this form and supporting documents by e-mail only to:

gwenaelle.guillerm@time-association.org

THE DEADLINE FOR THE SUBMISSION OF APPLICATIONS IS [DECEMBER 18th 2020](#)



Wrocław University of Science and Technology

Prof. Dariusz Łydźba, D.Sc., Ph.D., Eng., Vice-Rector for Cooperation

PRN/ /2020

To the T.I.M.E. Association Advisory Committee,

It is with great pleasure that I fully support the Wrocław University of Science and Technology International Relations Office and Faculty of Mechanical Engineering to create a consortium of four universities that will partner under the 4TIME TECH project for launching the International Summer School. Wrocław University of Science and Technology, AGH University of Science and Technology Cracow, RWTH Aachen, Ecole Centrale Marseille are T.I.M.E. Association members.

This initiative is an important tool for visibility of our international network and it will strengthen the link between partners and promote international students' exchanges.

I strongly recommend this project to the T.I.M.E Association Advisory Committee.

Prorektor ds. Współpracy

prof. Dariusz Łydźba

Wrocław, December 17th, 2020



HR EXCELLENCE IN RESEARCH

Evaluated by
IEP INSTITUTIONAL
EVALUATION
PROGRAMME
www.iep-qaa.org

Vice-Rector for Cooperation

Wybrzeże Wyspiańskiego 27
50-370 Wrocław

T: +48 71 320 27 30

prorektor.lydzba@pwr.edu.pl