

## POTENTIAL TEMPUS PARTNER

<b>Partner Country</b>	Republic of Croatia
<b>General Information about region/town</b>	Republic of Croatia is a unitary democratic parliamentary republic in Europe at the crossroads of Central Europe, the Balkans, and the Mediterranean. Zagreb is the capital and the largest city of the Republic of Croatia. Zagreb is the seat of the central government, administrative bodies and almost all government ministries. It is the centre of economics, scientific and higher education in Croatia. By the 1st of July 2013. Croatia will become a 28th member of European Union.
<b>Name of potential partner</b>	Department of Industrial Engineering on Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
<b>General information about potential partner</b>	<p>Department of Industrial Engineering (Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb) is a part of an accredited higher education institution which throughout the several study programs such as bachelor, master, postgraduate and PhD studies provides courses form the field of industrial engineering. Furthermore, department has established and performs a bachelor and master course "Industrial engineering and management" and two postgraduate studies:</p> <ul style="list-style-type: none"> <li>• postgraduate <i>specialists study of industrial engineering and management,</i></li> <li>• postgraduate <i>doctoral study of industrial engineering and management</i></li> </ul> <p>The primary scope of the department is to provide courses for students, provide training and seminars from specified topics and research, develop and implement actual or new methods of improvement production processes.</p> <p>Department consists of three chairs:</p> <ol style="list-style-type: none"> <li>1. Chair of Production Control</li> <li>2. Chair of Production Design</li> <li>3. Chair of Sociology</li> </ol> <p>Each chair deals with unique research and education field, but by combining these three areas of expertise the full meaning of term of industrial engineering is achieved.</p>
<b>Description of our competencies and interests</b>	<p>As previous mentioned the field of research and education is industrial engineering. Especially our expertise could be described through the following topic:</p> <p>A. Field of production control:</p> <ul style="list-style-type: none"> <li>- operations research in production engineering</li> <li>- LEAN and Six Sigma methodology of production enhancement and control</li> <li>- Green and Lean production</li> <li>- production management</li> <li>- statistical analysis of production process characteristics</li> <li>- design and analysis of experiments - experimental optimization</li> <li>- stochastic simulation of processes</li> <li>- production costs and business analysis - production economics</li> <li>- establishing, evaluating and improving production strategy</li> <li>- maintenance of technical systems</li> <li>- multi-criteria decision making</li> </ul>

	<p>B. Field of production design:</p> <ul style="list-style-type: none"> <li>- PLM concept</li> <li>- Production planning</li> <li>- Supply - Chain management</li> <li>- Simulation of logistic chains</li> <li>- Green logistics</li> </ul> <p>C. Field of sociology:</p> <ul style="list-style-type: none"> <li>- Sociology in industrial environment</li> <li>- Ethics in engineering and sustainable development</li> <li>- Information society</li> </ul>
<b>Information about the intended EU projects</b>	<p>We can offer our full contribution as an EU partner in Tempus projects. We can cooperate in projects concerning knowledge triangle (education-research-innovation), quality of education, partnerships with enterprises, social issues, lifelong learning in society, etc. We have some experience in international projects regarding above mentioned areas and we strongly believe that we will be a valuable project partner.</p>
<b>Staff</b>	<p>Department's staff is composed of: - professors, researchers, teachers, administrative and technical staff.</p>
<b>Cooperation</b>	<p>The Department works with various target groups: students, seniors, teachers, trainers, people of various professions, business entities. Department collaborate with a technological, training companies, SMEs, authorities, public administration, professional associations,</p>
<b>Contacts of responsible person</b>	<p>Full prof. Nedeljko Štefanić, Ph.D.  Head of Department of Industrial Engineering  Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb  Ivana Lučića 5,  10000 Zagreb, CROATIA  <a href="http://www.fsb.hr">www.fsb.hr</a>  <a href="mailto:nedeljko.stefanic@fsb.hr">nedeljko.stefanic@fsb.hr</a></p> <p>or</p> <p>Research assistant Hrvoje Cajner, Ph.D  Department of Industrial Engineering  Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb  Ivana Lučića 5,  10000 Zagreb, CROATIA  <a href="http://www.fsb.hr">www.fsb.hr</a>  <a href="mailto:hrvoje.cajner@fsb.hr">hrvoje.cajner@fsb.hr</a></p>