Our work, research and teaching process are focused on effective utilization of IT in organizations and effective management of logistics.

In all fields mentioned in this presentation we're local/domestic/regional leaders, while in business process and supply chain management we are among globally recognized leaders who influence their development.

Our academic unit has **15 full-time members**, out of that:
- 7 full professors,
- 2 associate professors,
- 2 assistant professors,
- 4 research and teaching fellows and
- visiting faculty members with 4 visiting full professors.

**Head of academic unit:**
*dr. Mojca Indihar Štemberger*,
full professor
Contact: mojca.stemberger@ef.uni-lj.si
Our academic unit offers programs in **BUSSINES INFORMATICS** and **BUSSINES LOGISTICS** in

- **Undergraduate studies** in Slovenian
- **Masters studies** in Slovenian and English
- **Doctoral studies** in English

Sample courses:

Business intelligence and analytics, Business logistics, Business process management, Digital business, Economics of IT, IS systems analysis and design, Logistics management, Optimization in logistics

Teaching focus on

- Good theoretical knowledge & hands-on skills
- Innovative ways of teaching
- Opportunity to work in consulting projects
- Many guests lecturers practitioners
- „Social networking“: PIPL students society
- Opportunities for international exchange: 1 Double Degree programme and 1 in preparation
BUSINESS INFORMATICS is one of the key areas organizations depend on for increasing effectiveness and efficiency of their business as well as gaining competitive advantage.

Business informatics enables organizations to conduct business transformation by employing digital technology for successful business process and business model optimization.
BUSINESS LOGISTICS is an interdisciplinary programme with renowned, award-winning lecturers and researchers from different fields that have strong ties in research and business community.

The programme offers international exchange opportunities, has several guest lecturers from business and prepares students for a wide array of employment opportunities by using modern learning methods (e.g. interactive games) in small groups.
Enthusiastic sharing of the **STUDENTS EXPERIENCE**

---

**ONE OF THE BEST DECISIONS IN MY LIFE**

I was already working for two years in my old company when I got the idea to sign up for a master degree. It was a risky move to trade career advancement for a student status, but I decided to try. Now, when I look back, I see that was one of the best decisions in my life. Business Informatics program gave me the knowledge, lecturing guests from IT industry, confidence and support which at the end resulted with internship and dream job in Vienna.

*Aleksandar Markelić from Bosnia, Head of Quality Assurance at AgenaTrader.com & Include Information Technologies GmbH, Vienna, Austria*

---

**STUDENTS WITH MASTER IN BUSINESS LOGISTICS ARE THE ADDED/SURPLUS VALUE OF A COMPANY**

Business Logistics excellently complements my under-graduate education. I benefited most from the enhanced understanding of logistics processes and from projects, which were conducted in cooperation with companies, such as Danfoss Trata. Business Logistics offers the right balance among individual work, seminar papers, case studies, and lectures.

*Tim Preskar, tehnolog pakiranja v Loku.*
Our **RESEARCHERS** are focused on inter-disciplinary researches, combining qualitative and quantitative methods with **high impact on theoretical advances and solutions for digitised world.**

Our main research areas are:
- Business Intelligence & Analytics
- Business Process Management
- Information Systems Management & Strategy
- Optimization
- Supply Chain Management & Logistics
- Technology Adoption
Research impact (Citations)

Citations per year with quickly growing impact

h-index (Scopus) 2008-2018: 29

Highly-cited papers: 6 papers are among the top 1% most cited papers in Scopus

a) Supply chain risk in turbulent environments - a conceptual model for managing supply chain network risk
b) The critical success factors of business process management
c) Business model: What it is and what it is not
d) The impact of business process orientation on financial and non-financial performance
e) Understanding the internet banking adoption: A unified theory of acceptance and use of technology and perceived risk application
f) Towards business intelligence systems success: Effects of maturity and culture on analytical decision making
Top schools in BPMS researches

- QUEENSLAND UNIVERSITY OF TECHNOLOGY
- UNIVERSITY OF LIECHTENSTEIN
- UNIVERSITY OF LJUBLJANA
- UNIVERSITY OF SÃO PAULO
- UNIVERSITY OF MÜNSTER
- UNIVERSITY OF APPLIED SCIENCES UTRECHT
- WIDENER UNIVERSITY


10 most influential papers on supply chain risk management

<table>
<thead>
<tr>
<th>Rank</th>
<th>Title</th>
<th>Author</th>
<th>Journal/Year</th>
<th>Centrality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Managing disruption risks in supply chains</td>
<td>Kleindorfer, P.R. and Saad, G.H.</td>
<td>Production and Operations Management (2005)</td>
<td>0.2969</td>
</tr>
<tr>
<td>2</td>
<td>An empirical analysis of the effect of supply chain disruptions on long-run stock price performance and equity risk of the firm</td>
<td>Hendricks, K.B. and Singhal, V.R.</td>
<td>Production and Operations Management (2005)</td>
<td>0.2917</td>
</tr>
<tr>
<td>3</td>
<td>Operating flexibility, global manufacturing, and the option value of a multinational network</td>
<td>Kogut, B. and Kulatilaka, N.</td>
<td>Management Science (1994)</td>
<td>0.2604</td>
</tr>
<tr>
<td>6</td>
<td>What is the right supply chain for your product?</td>
<td>Fisher, M.L.</td>
<td>Harvard Business Review</td>
<td>0.2083</td>
</tr>
<tr>
<td>7</td>
<td>Valuing operational flexibility under exchange rate risk</td>
<td>Huchzermeyer, A. and Cohen, M.A.</td>
<td>Operations Research (1996)</td>
<td>0.2083</td>
</tr>
<tr>
<td>8</td>
<td>The severity of supply chain disruptions: design characteristics and mitigation capabilities</td>
<td>Craighead, C.W., Blackhurst, J., Rungtusanatham, M.J., Handfield, R.B.</td>
<td>Decision Sciences (2007)</td>
<td>0.1875</td>
</tr>
<tr>
<td>9</td>
<td>The effect of supply chain glitches on shareholders wealth</td>
<td>Hendricks, K.B. and Singhal, V.R.</td>
<td>Journal of Operations Management (2003)</td>
<td>0.1771</td>
</tr>
<tr>
<td>10</td>
<td>An empirical examination of supply chain</td>
<td>Wagner, S.M. and Bode, C.</td>
<td>Journal of Business Logistics</td>
<td></td>
</tr>
</tbody>
</table>

Flagship publications - Business Intelligence & Analytics


Flagship publications - Business Process Management


Flagship publications - IS Management & Strategy


Flagship publications - **Optimization**


**Humar, I., Gradišar, M., Turk, T., & Erjavec, J. (2014).** The impact of color combinations on the legibility of text presented on LCDs. *Applied Ergonomics, 45*(6), 1510-1517.


Flagship publications: **Supply Chain and Operations Management**


Flagship publications – **Technology Adoption**


We carry out Consulting & Research projects for Slovenian and international companies and public sector organization. We organised different business education and training events: seminars, workshops, roundtables and similar events, which are designed for people from practice.

Most important are:

- Digital Transformation Academy
- Cutting Edge of Digital Mind Conference
- Supply Chain Planning and Analytics
- Day of Business Informatics
- Day of Business Logistics

We aimed to transfer the research findings into practice and get new ideas and access to case studies for research.
Consulting & Research projects

Business Process Management

- Business process modelling and organization design for Surveying and Mapping Authority of the Republic of Slovenia (2018-2021)
- Development of tasks for implementation of information renovation of real estate records in Surveying and mapping authority of the Republic of Slovenia (2017)
- The influence of process orientation, redesign and IT support for business process on organizational performance (2009-2012)
- Analysis of business processes, reorganization and optimization for Post of Slovenia (2011-2012)
- Analysis of business processes, reorganization and optimization MDDSZ (2011)
- Proposal for organization of sales process in Snaga Public Company (2011)
- Business process and information technology governance system implementation in Surveying and mapping authority of the Republic of Slovenia (2010)
- Business process redesign on the Health Insurance Institute of Slovenia (2009-2010)
- Modelling, analysis and suggestion for process reseign for Dravske elektrarne Maribor d.o.o. (2009)
- Modelling, analysis, and renovation of business process in Mobitel d.d. for the needs of Documentum project (2008-2009)
- Modelling, analysis and suggestions for redesign for Kovintrade d.d. (2007)
Consulting & Research projects

Supply Chain Management & Logistics
- Business analytics and business models in supply chains, (2018-2021)
- Optimization of transport in "Habjan transport" (2014)
- Management and IT support for supply chain management (2011-2014)
- Business process modelling, analysis and redesign for Post of Slovenia, funded by Post of Slovenia (2011-2012)
- Value-at-Risk project for Chrysler (in cooperation with DRK Research Institute, Raleigh, USA) (2007-2008)

Business Intelligence & Analytics
- Proposal for the introduction of a holistic data management in ELES (2018)
- The concept of business intelligence system implementation for Ministry of public administration (2017)
- The concept design for business intelligence in the company Snaga (2008)
- The analysis of the planning process and the solutional proposal for National Radio-Television of Slovenia (2007)

Technology Adoption
- IT support for the care of cardiac patients (2018)
- Optimization of nurse scheduling at University Medical Centre Ljubljana (2016 - 2017)
- The design of modern approaches to IT in healthcare (2015)
- Study of the impact of informatization on the efficiency of judicial system – Competitiveness of Slovenia 2006-2013 (2010-2012)
- Broadband adoption in rural areas (2007-2008)
- Breath: Broadband e-services and access to the home (2006-2007)