

## Research teams operating in the spring semester of 2018/19 school year

### DOCTORAL SCHOOL OF BUSINESS AND MANAGEMENT

#### Systematic Analysis of Competence Gaps and Learning Methods

**Research team leader:** Ildikó Borbásné Szabó – [iszabo@informatika.uni-corvinus.hu](mailto:iszabo@informatika.uni-corvinus.hu)

**Affiliation:** Department of Information Systems

**Duration of the research:** 5 months

**Available scholarships:** 2 MA positions

**Research description:** Technological innovations transform not just business processes and models of companies, but cognitive thinking processes of their employees. The usage and development of new technologies boosting the fourth industrial revolution require specific competences, meanwhile outdated competences are eliminated after a while. Educational institutions must prepare themselves for these changes. This research group deals with two areas of this domain: competence gap analysis and technology enhanced learning. Data-driven methods, semantic technologies and text mining methods by adapting SAP Leonardo innovations are used to do it in the SAP Next-Gen Lab Research Center.

#### The Economic Ethics of World Religions

**Research team leader:** Gábor Kovács – [gabor.kovacs4@uni-corvinus.hu](mailto:gabor.kovacs4@uni-corvinus.hu)

**Affiliation:** Business Ethics Center

**Duration of the research:** 5 months

**Available scholarships:** 1 PhD and 1 MA positions

**Research description:** The aim of the research group is to explore the ethical conceptions of world religions with relevance for the economy. The project introduces the realization of these conceptions in contemporary business, and investigates the influence of world religions on business ethics and ethical business activities.

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## Internationalization of Higher Education

**Research team leader:** Erzsébet Malota – [erzsebet.malota@uni-corvinus.hu](mailto:erzsebet.malota@uni-corvinus.hu)

**Affiliation:** Department of Marketing Research and Consumer Behaviour

**Duration of the research:** 5 months

**Available scholarships:** 2 PhD and 1 MA positions

**Research description:** The research focuses on the internationalization of Hungarian higher education (including Corvinus University) along the following topics: supporting academic acculturation of international students, motivations of international students and their experiences of culture shock in frame of cultural distance, the role of the higher education brand in recruiting international students, reducing their culture shock experiences and increasing their satisfaction.

## Methodology and Application of Stress Tests on the Financial Markets

**Research team leader:** Kata Váradi – [kata.varadi@uni-corvinus.hu](mailto:kata.varadi@uni-corvinus.hu)

**Affiliation:** Department of Enterprise Finances

**Duration of the research:** 5 months

**Available scholarships:** 1 PhD and 2 MA positions

**Research description:** Our research group will focus on stress tests applicable in the risk management of central counterparties. The research questions are as follows:

1. What stress test methodologies can be found in the literature and in practice for banks and central counterparties?
2. Modelling the impact of a stress test on the CCP's guarantee system:
  - a. How different stress test methods influence the evolution of a hypothetical portfolio?
  - b. What is the impact of aggregated stress tests in different markets for actual databases and customer portfolios?

## DOCTORAL SCHOOL OF INTERNATIONAL RELATIONS

### Economic development of Central and Eastern Europe after EU accession

**Research team leader:** Viktória Endrődi-Kovács – [viktoriam.kovacs3@uni-corvinus.hu](mailto:viktoriam.kovacs3@uni-corvinus.hu)

**Affiliation:** Institute of World Economy

**Duration of the research:** 5 months

**Available scholarships:** 2 PhD and 2 MA positions

**Research description:** The accession to the European Union has created a number of economic opportunities for the Central and Eastern European states that joined in 2004 and 2007 to help their economic development. Related to this, the main question how much the V4 countries (Hungary, Czech Republic, Poland, Slovakia) plus Romania and Bulgaria were able to realize these opportunities?

The main goal of this research team is to answer the question how the economic development of Central and Eastern European states has changed since their accession to the European Union? This issue can be approached in several ways. On the one hand, by answering the question how has the economic integration of these countries changed since 2004 in the fields of functioning market economy, competitiveness, macroeconomic stability, convergence, financing and in trade relations? Are there any developments in Central and Eastern European markets? How has the competitiveness of the countries changed, and how did their companies performed in the increased competition?

On the other hand, it is also a very interesting question whether the 2008-2009 crisis has caused a major change or problem for the Central and Eastern European economies? How the 2008-2009 economic crisis did affect these countries, what crisis management tools were used, and how did they cope with the crisis and what are its long term consequences? Furthermore, it is also recommended to examine how the economic development of these countries has changed in terms of using European Union funding resources and attracting FDI (foreign direct investments), whether these countries were able to move up in the global value chain (GVC) of multinational companies? How did trade relations within the region develop, whether trade relations with the European Union have strengthened as a result of the accession? In this context, it is an interesting question whether the 2008-2009 crisis has been resulted in a break in trade relations?

The above mentioned questions can be studied by using several methodological analysis tools, using both quantitative and qualitative methods: e.g. statistical and econometric models, Tibor Palánkai's toolkit for measuring integration maturity, convergence analysis, secondary data analysis, literature analysis, corporate or country case studies, comparative analysis.

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The research team is open to any Master or PhD student who is interested in at least one of these topics or has a different research question to study the economic development in Central and Eastern Europe.

## **The changing nature of national interest representation and power geometry in the EU**

**Research team leader:** Zoltán Gálik – [zoltan.galik@uni-corvinus.hu](mailto:zoltan.galik@uni-corvinus.hu)

**Affiliation:** Institute of International Relations

**Duration of the research:** 5 months

**Available scholarships:** 2 PhD and 2 MA positions

**Research description:** The challenge of European integration has faced its biggest trials since the last ten years. The consequences of the sovereign debt crisis, the Brexit process fundamentally transformed the integration. The new framework for national interest representation and power system were shaped not only the Lisbon Treaty but also the emerging new economic governance system, which created new political, institutional and legal instruments at the EU level.

The research group's work will concentrate on three major areas:

- The Brexit process and its consequences on EU's national interest representation and power system, especially between the Eurozone and non-Eurozone countries
- The consequences of the emerging new economic governance system and its implication on the legal and institutional national interest representation of the EU member states.
- The new and/or fundamentally reshaped European policies (CFSP, Energy Union, Home and Justice Affairs) and their implication on the national interest representation.

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## DOCTORAL SCHOOL OF SOCIAL COMMUNICATION

### Science Communication

**Research team leader:** Ágnes Veszelszki – [agnes.veszelszki@uni-corvinus.hu](mailto:agnes.veszelszki@uni-corvinus.hu)

**Affiliation:** Institute of Behavioural Science and Communication Theory

**Duration of the research:** 3 months

**Available scholarships:** 2 PhD and 1 MA positions

**Research description:** The research group aims to investigate academic texts from a linguistic-communication theoretical point of view.

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