

University of Zilina
Faculty of Electrical Engineering

Proposal of topics for PhD study
for candidates in the frame of ERASMUS MUNDUS iBRASIL project

Topic	Study programme	Supervisor	Department
Control strategies ensuring static and dynamic stability of a region with distributed generation during its island operation	Power Electrical Engineering	assoc. prof. Dr. Peter Bracinik	Department of Power Electrical Systems
Image classification of animals in the IR domain	Telecommunications	assoc. prof. Dr. Robert Hudec	Department of Telecommunications and Multimedia
Design of electrical machines for electric car drives	Electric Power Systems	assoc. prof. Dr. Pavol Rafajdus	Department of Power Electrical Systems

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Dissertation thesis project

COOPERATION MANAGEMENT

Tutor: assoc. prof. Jakub Soviar, Ph.D.

Main orientation of the thesis:

- Strategic management of cooperation relations towards competitive advantage.
 - o Research of strategic management in inter-organizational cooperation (e.g. clusters, joint-ventures, alliances, networks, partnerships, etc.).
 - o Analysis of cooperation relations, processes and its management.
 - o Field studies and case studies.
 - o Modeling of effective cooperation management processes.

Cooperation management definition:

“Cooperative management is effective and pragmatic management of cooperative relations between independent organizations or individuals for the purpose of raising of theirs competitiveness.”

Possible analysis orientation:

- Network based companies
- Business or technology clusters
- Cooperation of R&D with production and business companies
- Cooperation within knowledge transfer (technology transfer) processes (universities – companies – society...)
 - o “Triple helix” cooperation possibilities
- Cooperation in international business
- Comparative analysis of selected markets, e.g. South American and European union
- Globalization effects and cooperation management possibilities

- Socio-psychological and biological aspects of cooperation and its principles
- Externalities of cooperation based organizations

Notes:

In order to gain more information about the topic and its possible modification or orientation it is possible to communicate with the tutor:
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