

IT4BIDC
Information Technologies for Business Intelligence - Doctoral College

Duration: 36

Course description:

Since its inception 20 years ago, Business Intelligence (BI) has become a huge industrial domain and a major economic driver, however overlooked by academics. It encompasses many scientific and technological fields including data warehouses, data mining, content analytics, business process management, visual analytics, and requires competences in information systems, web science, decision science, and software engineering. The Erasmus Mundus Joint Doctorate in Information Technologies for Business Intelligence – Doctoral College (IT4BI-DC) is designed to develop research excellence in this broad scope of fields.

Its main objective is to train computer scientists who understand and help develop the strategies of modern enterprise decision makers. IT4BI-DC is a continuation of the EMMC “Information Technologies for Business Intelligence” (IT4BI). The programme favours the integration of students into a network of world-renowned researchers and specialists in BI. The curriculum is jointly delivered by Université Libre de Bruxelles (Belgium), Aalborg Universitet (Denmark), Technische Universität Dresden (Germany), Universitat Politècnica de Catalunya (Spain), and Poznań Technical University (Poland). Associated partners from around the world include top-ranked universities, leading industries in BI, public and private research organizations, R&D companies, consulting companies, and public authorities. Associated partners will contribute to the programme by training students, providing job placement or internships, as well as financial support. This consortium will prepare graduates to address major governance challenges in today’s knowledge-based society by developing the three interdependent components of the “knowledge triangle”, i.e., education, research, and innovation. IT4BI-DC is a 3-year doctoral programme implemented as a co-tutelle model. The consortium designs a set of Joint Doctoral Topics addressing six fundamental BI challenges: Modeling and Semantics, Information Discovery, Information Integration, Business Analytics, Large-Scale Processing, and Collaboration and Privacy. Each of the Joint Doctoral Topics is co-supervised by at least two partners of the consortium.

The doctoral candidate will spend at least 33% in the host university of the co-tutelle. Upon completion of the programme, graduates will be awarded with a joint degree from the universities of the co-tutelle. IT4BI-DC provides to doctoral candidates a high-level education and training programme comprising Research-specific courses, Innovation and entrepreneurship courses, Methodological and communication courses, Language courses, Knowledge dissemination activities, and External cooperation activities (e.g., through internships). Students participate to the IT4BI-DC Doctoral Colloquium and to the European Business Intelligence Summer School (eBISS) organized by the IT4BI Master Course. The tuition language is English.

Website: <http://it4bi-dc.ulb.ac.be/>

Partners:

UNIVERSITÉ LIBRE DE BRUXELLES, Belgium (Co-ordinating Institution)
AALBORG UNIVERSITET, Denmark
TECHNISCHE UNIVERSITÄT DRESDEN, Germany
POZNAN UNIVERSITY OF TECHNOLOGY, Poland
UNIVERSITAT POLITÈCNICA DE CATALUNYA, Spain

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Maximum grant:

1 205 600 € (50 000 € consortium + 1 155 600 € fellowships), 2013