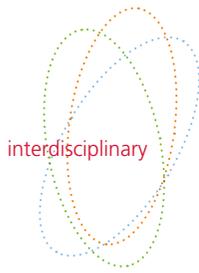


Application Procedure and Funding

interdisciplinary



The IGS addresses young researchers from all over the world holding a Master's degree equal to a degree on German university level in one of the following fields: production or industrial engineering, electrical engineering, physics, computer science, mathematics or economics. The individual has to have graduated with exceptionally good marks.

The decisive element of the application is the preliminary research proposal which should describe a research question, research methods and literature references. Application documents will be evaluated with regards to the applicant's qualification for doctoral studies at the University of Bremen. Additionally, the proposed topic should fit into the research spectrum of LogDynamics.

The IGS supports candidates in identifying funding opportunities for doctoral grants. Furthermore, it contributes to mobility programmes funded by the European Commission, by the German Academic Exchange Service (DAAD) or by the industry. The IGS relies on private and public sponsoring. These sources of financing ensure the continuity of its successful operation.



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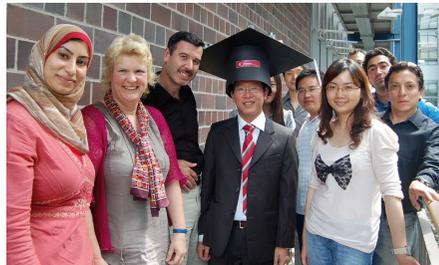
Contact

University of Bremen
International Graduate School
for Dynamics in Logistics (IGS)

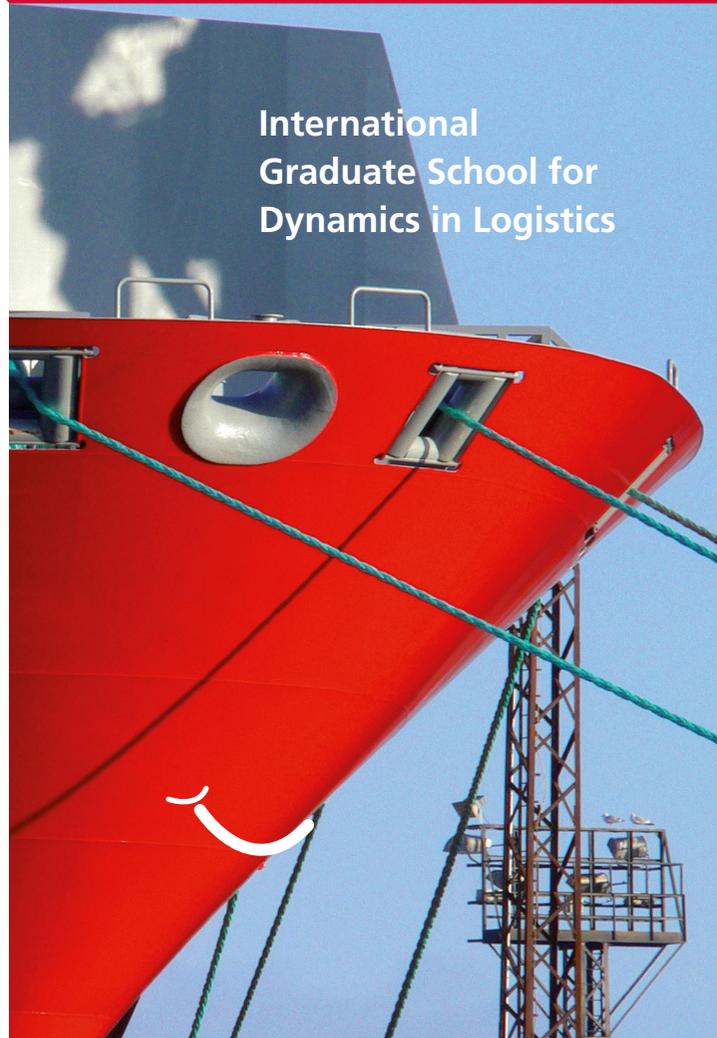
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Details and forms are available at:
www.logistics-gs.uni-bremen.de



International
Graduate School for
Dynamics in Logistics



 Universität Bremen*

***EXCELLENT.**
An Excellence Initiative
Success Story

Research beyond Boundaries

international



The International Graduate School for Dynamics in Logistics (IGS) at the University of Bremen offers the opportunity to take part in an efficiently-structured doctoral training programme. Excellent researchers from all over the world are enabled to finish their education at a logistic location of long standing tradition.

The IGS is embedded in the cross-sectional Bremen Research Cluster for Dynamics in Logistics (*LogDynamics*). The latter is a cooperative network of research groups from four faculties of the University of Bremen: Production Engineering, Business Studies / Economics, Mathematics / Computer Science, and Physics / Electrical Engineering. Associated partners are: BIBA – Bremer Institut für Produktion und Logistik GmbH, the Institute of Shipping Economics and Logistics (ISL), and the Jacobs University Bremen gGmbH. The fields of activity of *LogDynamics* range from fundamental and applied research to transferring research results into practice.

All these elements immerse researchers in a discourse which – instead of presenting a single dominant perspective – encourages discussions beyond disciplinary and cultural boundaries.

Objectives

The objective of the IGS is to foster excellence in education and research by providing an optimal environment. The IGS meets the challenge of globalisation through practice-oriented research within a scope of interdisciplinary and cross-cultural cooperation. The research revolves around four topic areas:

- Business models, decision processes and economic analyses of dynamics in logistics
- Holistic interdisciplinary methods for modelling, analysis and simulation of dynamics in logistics
- Adaptive and dynamic control methods in logistics
- Synchronisation of material, information, decision and financial flows

The IGS improves the career perspectives of early-stage researchers by offering a structured doctoral training as well as providing complementary skills and introducing researchers to industry and the international scientific community.

There are numerous opportunities for doctoral candidates to participate in international conferences. Another incentive is the option of actively contributing to the content and organisation of the bi-annual International Conference on Dynamics in Logistics (LDIC), a conference series set up by *LogDynamics*.

Curriculum

cross-cultural



The IGS pursues an interdisciplinary and multicultural approach to higher education. The working language is English. The doctoral candidates benefit from disciplinary supervision, scientific mentoring as well as from organisational and social support. Beside the individual doctorate projects, the curriculum covers collective thematic introductions, subject specific courses, interdisciplinary research colloquia, dialogue forums and individual coaching regarding personal development. Furthermore, the young scientists profit from various cooperation opportunities and projects of *LogDynamics* as well as from the technical infrastructure of the *LogDynamics* Lab. The IGS integrates visiting professors into the supervision of the theses and external experts for specific training in the field of complementary skills.

After having undergone three years of this structured training programme, the doctoral candidates will have grown into excellent researchers of their discipline with valuable multicultural experiences, a wide ranging interdisciplinary background and well-founded international contacts.

