GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

International Conference on
Resource Efficiency in Interorganizational Networks

Call for Papers

On 13th and 14th November 2013, the Georg-August-Universität Göttingen (Germany) will host the first International Conference on Resource Efficiency in Interorganizational Networks (ResEff).

Renewable raw materials are becoming increasingly important as an alternative resource base in industrial networks. Consequently, research for methods improving the efficient use of renewable resources in production processes with by-products is crucial. The aim is cascade utilization, thus the multiple utilization of a raw material before its conversion into energy. The ResEff brings together interdisciplinary researchers developing strategies and solution concepts for efficient resource utilization. It is therefore a forum for scientific exchange both between experts as well as interdisciplinary groups. The following facets of the challenging topic of resource efficiency in interorganizational networks are covered:

- Track A: Materials and Technologies
  - Characterization of Fibres and Particles
  - Supply Chain of Renewable Resources
  - Usage of Cell Wall Components, esp. Hemicelluloses
- Track B: Planning of Production and Value-Added Networks for Renewable Resources
  - IS and IM in Value-Generating Networks for Renewable Resources
  - Mathematical Optimization in the Presence of Uncertainties
  - Modeling of Production and Logistic Systems
- Track C: Governance, Coordination and Sales
  - Consumer Behavior towards Eco-Friendly Products
  - Distribution of Intermediate and End Products from Renewable Resources

The following invited speakers will contribute to the ResEff 2013:

Prof. Martin Faulstich
CUTEC Institute of Environmental Technology, Chair of the German Advisory Council on the Environment

Prof. Barry Goodell
Sustainable Biomaterials, Virgina Polytechnic Inst. and State University

Prof. Adisa Azapagic
Sustainable Chemical Engineering, University of Manchester

The conference will include parallel sessions for presentation of papers in the fields of agricultural and forestry science, mathematical optimization, operations research, marketing, business informatics, production and logistics. Each track contains different sessions for expert talks. The interdisciplinary exchange is fostered through special talks and meetings, where all groups come together.

More information about the organizing DFG Research Training Group 1703 “Resource Efficiency in Interorganizational Networks” is available on the website www.resource-efficiency.uni-goettingen.de

ResEff GRK 1703

Session Description (BT3):
Modeling of Production and Logistic Systems

Since renewable materials are used both in the manufacturing and in the process industry, the production of renewable resources has been increased significantly in recent years. Adapting the planning and design of production and logistics systems to the characteristics of renewable materials is a difficult and complex task. Variations in the quantity and quality of the materials lead to uncertainties and imprecision, which have to be considered in the modeling and optimization. Additionally, varying preferences of the participating companies within the supply chain network require a multi-criteria analysis to support decision-making processes.

Within this context the track is dedicated to research on theoretical analysis and applications concerning production and logistics systems with renewable resources. The track is a forum for presenting results of the international research and development work dealing with multi-criteria decision making, the modeling and optimization of logistic networks as well as the handling of uncertainties in production induced by the utilization of renewable resources.

Topics of interest include, but are not limited to:

- Modeling logistics network for renewable resources
- Risk potential in biomass supply chains
- Biomass logistics under uncertainty
- Multi-criteria decision making

The deadline for submission of abstracts (approximately two pages) is 12 June 2013. Guidelines for submission can be found on the conference website. Submissions are subjected to an independent and professional *blind peer review* and will be judged on originality, significance, interest, clarity, relevance, correctness and presentation.

A more detailed description of the topic and the submission and review process can be found on the conference website.

Important Dates

12 June 2013	Deadline for Abstracts
20 June 2013	Notification of Acceptance
20 June 2013	Begin of Registration
15 Sept 2013	Camera Ready Deadline
13-14 Nov 2013	ResEff

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Website
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Sponsored by DFG in the context of the RTG 1703