Interdisciplinary Project (IDP)
Conceptual study and modeling of community behaviors

Description
Due to global competition, the importance of innovation networks is increasing. Such networks are complex heterogeneous systems. The heterogeneity and dynamics of such systems can be represented with agent-based modeling. For control purposes, clear definition of inputs is necessary. The goal of this theoretical work is to extend the existing "Innovation Community" model based on literature reviews and empirical data.

Work packages
- Study of literature in "Innovation Communities"
- Familiarization with agent-based modeling
- Extending the current community model and improving new concepts
- Documentation

Requirements
- Basic knowledge of MATLAB
- Object oriented programming
- Independent and structured way of working
- Creativity

Advisors:
Ertug Olcay, M.Sc.
MW 0226, 089/289-15664
ertug.olcay@tum.de

Prof. Dr.-Ing. habil. B. Lohmann
MW 0232, 089/289-15610
Lohmann@tum.de

Claus Schöttl, M.Sc.
claus.schoettl@tum.de

Dr. Theo Schöller-Stiftungslehrstuhl
für Technologie- und Innovations-management