

Structure

INFRATRRAIN is a series of events in INFRAstructure research and policy TRAINING designed for graduate scholars, practitioners, and policy makers. Each INFRATRRAIN event consists of several sessions among the which the participants select one.

The sessions in this fifth INFRATRRAIN (Fall 2007) are dedicated to the question of **Infrastructure Regulation, Modeling, and Policy**.

INFRATRRAIN thus addresses

- Advanced Master students
- PhD students, post-docs, and other scholars from universities and research institutions
- Junior staff from ministries, regulatory agencies and other governmental bodies
- Young practitioners from industry, consulting firms and financial companies dealing with infrastructure issues

Students in a Master or PhD program will receive a certificate corresponding to 6 ECTS (European Credit Transfer System) upon the completion of a term paper resulting from the training course.

The core element of each INFRATRRAIN are the Training Sessions, which cover a specific topic. Senior practitioners or faculty lecture on a focused topic, propose exercises and computer simulations, and discuss theoretical and policy issues.

Training Sessions are accompanied by

- Seminars, where participants present and debate either their PhD theses or other current work in smaller groups
- Keynote lectures given by renown researchers and policy makers
- The Conference on Applied Infrastructure Reserach, where renowned external researchers and a selected number of participants present their research to a larger audience.



Training Sessions

CO2-Mitigation in the Transport Sector - Modeling and Policy

- Recent approaches to integrate the transportation sector into CO2-models (partial models, general equilibrium models (CGE))
- Discussion of policy instruments to reduce transport emissions
- Implementation into models using GAMS/MPSGE
- Trainer: Prof. Dr. Truong P. Truong (University of New South Wales, and Research Professor at DIW Berlin), specialization on modeling of transportation, and partial and equilibrium CO2-model

Efficiency and Productivity Analysis

- Parametric and non-parametric methods of efficiency and productivity analysis, introduction to semi-parametric methods
- Application to regulated infrastructure sectors and other fields
- Computer exercises using R, Limdep, and other software
- Trainer: Professor Dr. Andreas Stephan (Viadrina-University Frankfurt/Oder, and DIW Berlin), specialization in productivity analysis and the econometrics of infrasturcture

Stochasticity in Infrastructure Modeling - Theory and Applications

- Introduction of stochasticity in optimization and equilibrium models, scenario reduction methods, variational inequality problems
- Applications to energy, transportation, and telecommunication
- Modeling in GAMS
- Trainer: Professor Dr. Steven Gabriel (University of Maryland), specialization in modeling of engineering-economic infrastructure systems using optimization and equilibrium analysis



Program

	Mon 01.10.	Tue 02.10	Wed 03.10.	Thu 04.10.	Fri 05.10.	Sat 06.10.
09:00		Training Session 3	Training Session 5	Training Session 7	Training Session 9	Conference (INFRA-DAY)
10:30						
10:45	Arrival/Registration	Seminar 1	Seminar 2	Seminar 3	Plenary Session Presentation of Training Session Results & Discussion	Conference (INFRA-DAY)
12:15						
14:00	Welcome Address Training Session 1	Keynote 1: Measuring Efficiency in Infrastructure Sectors	Keynote 2: Environmental Issues in Infrastructure Regulation	Training Session 8	Conference (INFRA-DAY)	Conference (INFRA-DAY)
15:30						
16:00	Training Session 2	Training Session 4	Training Session 6	Training Session 9	Conference (INFRA-DAY)	Conference (INFRA-DAY)
17:30						
Evening	Reception	Continuation of Training Sessions, Exercises	Informal Get-together	Preparation of the Final Presentation/Paper for the Plenary Session	Reception Conference on Applied Infrastructure Research	Final Dinner

For details see www.infraday.tu-berlin.de.



INFRATRRAIN is organized by **WIP, the Workgroup for Infrastructure Policy**, at Berlin University of Technology. With a staff of 13 and an international research and consulting network, WIP is one of the leading German institutes in infrastructure research and policy.

Scientific coordinators of INFRATRRAIN are Prof. Dr. Georg Meran (Vice President of DIW Berlin / TU Berlin) and Prof. Dr. Christian von Hirschhausen (TU Dresden / DIW Berlin).

Cooperation partners are:

- CNI, Center for Network Industries & Infrastructure at Berlin University of Technology
- DIW Berlin, the German Institute for Economic Research
- Dresden University of Technology, Chair of Energy Economics and Public Sector Management

Among the **core faculty**, workshop leaders and keynote speakers are:

- Prof. Dr. Truong P. Truong (University of New South Wales, and DIW Berlin)
- Prof. Dr. Andreas Stephan (Viadrina-University Frankfurt/Oder, and DIW Berlin)
- Dr. Oleg Badunenko (Viadrina-University Frankfurt/Oder)
- Prof. Dr. Steven A. Gabriel (University of Maryland)
- Prof. Dr. Christian von Hirschhausen (TU Dresden and DIW Berlin)
- Prof. Dr. Kay Mitusch (TU Berlin, WIP)



The participation fee for INFRATRRAIN is **250 €**. This fee includes course and training materials, and all meals except breakfast during the event.

Eligible are researchers and practitioners with an interest in economic research and policy implications. Particular emphasis is placed on young researchers (PhD students, post-Docs). We also welcome advanced participants in Master Programs.

If you are interested in participating, please send your CV including fields of scientific interest and your preferred topic for the training session until **August 31, 2007** to

infratrtrain2007@wip.tu-berlin.de

If you are interested in presenting a paper or a research project, please add an extended abstract (one page, about 300 words). Preference will be given to participants presenting own work. Participation in each training session is limited to 12 persons. Information on acceptance will be given by early September.

Contact

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INFRATRRAIN

Autumn School

**Infrastructure Regulation,
Modeling, and Policy**

October 1 - 6, 2007

Berlin University of Technology

Scientific Cooperation Partners:



TU
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Chair of Energy Economics
and Public Sector Management

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