

# Program

## *Workshop on “Complex Societal Problems, Sustainable Living and Development”*

***IAM, METU, Ankara, May 13-16, 2008***

**Place:** *Institute of Applied Mathematics, IAM 209*

<http://www3.iam.metu.edu.tr/>

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### Joint Contribution by

- o Institute of Applied Mathematics, METU,
- o Department of Industrial Engineering, METU,
- o Department of Foreign Languages, METU,
- o Middle East Technical University (METU),
- o Balaban Valley Group,
- o EURO Working Group on Complex Societal Problems,
- o EURO Working Group “Operational Research for Development” (ORD) and
- o EURO Working Group on Continuous Optimization (EUROPT).

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### **Tuesday, May 13, 2008**

**15.40h General Seminar at Institute of Applied Mathematics, METU**

**Dorien DeTombe**

(Chair International Research Society on Methodology Societal Complexity,  
University of Amsterdam, The Netherlands):

*Climate Change as a Complex Societal Issue*

### **Friday, May 16, 2008**

**11.00-11.15h Coffee at IAM, METU (in front of IAM 209)**

**11.15-11.30h Welcoming Session**

*Chair:* Gerhard-Wilhelm Weber

11.30-13.00h **Session: Educational Aspects**

Chair: Dorien DeTombe

**Hanife Akar**

(Department of Educational Sciences, Middle East Technical University, Ankara, Turkey):

*Poverty, and Schooling in Turkey: a Needs Assessment Study*

**Duygu Güntek**

(Department of Modern Languages, Middle East Technical University, Ankara, Turkey):

*Attitudes of METU Students toward Learning English*

**Claire Özel**

(Disability Support Coordinator, Middle East Technical University, Ankara, Turkey):

*Working with Volunteers: a Complex Societal Problem*

13.00-14.00h **Lunch**

14.15-15.45h **Session: Complex Societal Problems on Development and Climate Change**

Chair: Inci Gökmen

**Annette Hohenberger**

(Informatics Institute, Cognitive Science Program, Middle East Technical University, Ankara, Turkey):

*Climate Change and Cognitive Science*

**Dorien DeTombe**

(Chair International Research Society on Methodology Societal Complexity, University of Amsterdam, The Netherlands):

*Flood: a Complex Societal Problem Not a Technical Issue -  
Climate Change as a Complex Societal Issue*

*Sustainable Development: a Complex Societal Issue*

15.45-16.00h **Tea Break**

16.00-17.30h **Session: Applied Mathematics**

Chair: Françoise Summers

**Gerhard-Wilhelm Weber** (IAM, METU, Turkey),

**Pakize Taylan, Devin Sezer, Gülser Köksal, Inci Batmaz, Fatma Yerlikaya, Süreyya Özögür-Akyüz, Zeynep Alparslan-Gök Erik Kropat, Zafer-Korcan Görgülü, Halil Önder, Dorien DeTombe:**

*Data Mining Used in Complex Societal Problems*

*Applied Mathematics Used in Complex Societal Problems*

*Gene-Environment Networks – the Financial Aspect Included*

17.30-17.45h **Tea Break**

17.45-19.00h **Session: Sustainable Living and Development** Chair: Hanife Akar

**Francoise Summers and Soofia Tahira Elias-Ozkan**

(Department of Architecture, Middle East Technical University, Ankara, Turkey):

*Community Participation in Kerkenes*

**Ali Gökmen and Inci Gökmen**

(Department of Chemistry, and Institute of Applied Mathematics, Middle East Technical University, Ankara, Turkey):

*Designing Sustainable Living in Rural Areas*

**Gerhard-Wilhelm Weber**

(IAM, METU; *speaker*):

**Short Presentation:**

**Indonesian Oil –**

**Native Owned and Producing Oil Wells on the Island of Java, near CEPU**

(by *Allen Johnson*)

19.00-19.45h **Panel:**

***Complex Societal Problems, Sustainable Living and Development***

Chair: Ali Gökmen

**Participants:**

Members of the Organizing Committee and Program Committee, and all guests.

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***Organizing Committee and Program Committee:***

- Hanife Akar (Dept. of Educational Sciences, METU, Ankara, Turkey),
- Başak Akteke-Öztürk (IAM, METU, Ankara, Turkey),
- Meral Azizoglu (Dept. of Industrial Engineering, METU, Ankara, Turkey),
- Taylan Bali (Dept. of Economics, METU, Ankara, Turkey),
- Selma Belen (Dept. of Mathematics, Çag University, Adana-Tarsus, Turkey)
- Dorien DeTombe (University of Amsterdam, The Netherlands; co-chair),
- Soofia T. Elias-Özkan (Dept. of Architecture, Ankara, Turkey),
- Nejla Erdoğan (IAM, METU, Ankara, Turkey),
- Ali Gökmen (Dept. of Chemistry and IAM, METU, Ankara, Turkey; co-chair),
- Inci Gökmen (Dept. of Chemistry, METU, Ankara, Turkey),
- Duygu Güntek (Dept. of Modern Languages, METU, Ankara, Turkey),
- Azize Hayfavi (IAM, METU, Ankara, Turkey),
- Annette Hohenberger (II, METU, Ankara, Turkey),
- Sinan Kayalığıl (Dept. of Industrial Engineering, METU, Ankara, Turkey),
- Jale Körezlioğlu (President's Office, METU, Ankara, Turkey),
- Halil Önder (Dept. of Civil Engineering, METU, Ankara, Turkey),
- Claire Özel (Engelsiz ODTÜ Koordinatörü, METU, Ankara, Turkey),
- A. Devin Sezer (IAM, METU, Ankara, Turkey),
- Francoise Summers (Dept. of Architecture, Ankara, METU),
- Gerhard-Wilhelm Weber (IAM, METU, Ankara, Turkey; co-chair) and
- Leroy White (University of Bristol, UK).

Contact: [gweber@metu.edu.tr](mailto:gweber@metu.edu.tr)