

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

METU, Ankara, May 13-16, 2008

Joint Contribution by

- o Institute of Applied Mathematics, METU,
- o Department of Industrial Engineering, METU,
- o Middle East Technical University (METU),
- o Balaban Valley Group,
- o Seminar on Applied Mathematics in Life and Human Sciences and Economy -
Computational Biology and Medicine,
- o General Seminar of IAM, METU,
- 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).

Contributions by Dr. Dorien DeTombe

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

May 13 (Tuesday):

**15.40-16.40h Presentation in General Seminar of IAM, METU,
by Dorien J. DeTombe :**

“ Climate Change as a Complex Societal Issue”

May 16 (Friday):

**11.00-18.00h Presentations in Applied Mathematics in Life and Human
Sciences and Economy by Dorien J. DeTombe:**

“Flood: a Complex Societal Problem not a Technical Issue”

“Sustainable Development a Complex Societal Issue”

“Balaban Valley Project:

Sustainable Living in Turkish Rural Countryside”

with Ali and Inci Gökmen (Department of Chemistry, METU), Halil Önder (Department of Chemical Engineering, METU), and Gerhard-Wilhelm Weber (IAM, METU)

“Complex Societal Problems in Education”

tentatively with Ali and Inci Gökmen (Department of Chemistry, METU), Hanifa Akar (Department of Educational Sciences, METU) and Gerhard-Wilhelm Weber (IAM, METU)

“Complex Societal Problems in Environmental Protection”

with Ali and Inci Gökmen (Department of Chemistry, METU), Halil Önder (Department of Chemical Engineering, METU), and Gerhard-Wilhelm Weber (IAM, METU)

“Gene-Environment Networks – with the Financial Aspect Included”

with Gerhard-Wilhelm Weber and Zeynep Alparslan-Gök (IAM, METU), Erik Kropat (Department of Mathematics, University of Erlangen-Nuremberg, Germany) and Zafer-Korcan Görgülü (Department of Informatics, Universitaet der Bundeswehr, Munich, Germany)

“Applied Mathematics Used in Complex Societal Problems”

with Gerhard-Wilhelm Weber and Zeynep Alparslan-Gök (IAM, METU), Halil Önder (Department of Chemical Engineering, METU), Erik Kropat (Department of Mathematics, University of Erlangen-Nuremberg, Germany) and Zafer-Korcan Görgülü (Department of Informatics, Universitaet der Bundeswehr, Munich, Germany)

“Data Mining Used in Complex Societal Problems”

with Gerhard-Wilhelm Weber and Zeynep Alparslan-Gök (IAM, METU), Erik Kropat (Department of Mathematics, University of Erlangen-Nuremberg, Germany) and Zafer-Korcan Görgülü (Department of Informatics, Universitaet der Bundeswehr, Munich, Germany)

“Earthquakes – a Complex Societal Problem”

“Tsunamis – a Complex Societal Problem”

“Chances of Development in Development Countries”

with Gerhard-Wilhelm Weber

“Complex Societal Problems in the Energy Sector”

with Gerhard-Wilhelm Weber

Panel on

“Complex Societal Problems, Sustainable Living and Development”

tentatively with Ali and Inci Gökmen (Department of Chemistry, METU), Hanifa Akar (Department of Educational Sciences, METU), Halil Önder (Department of Chemical Engineering), Françoise Summers (Department of Architecture, METU) and Gerhard-Wilhelm Weber (IAM, METU)

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- F. Summers (Dept. of Architecture, Ankara, METU) and
- G.-W. Weber (IAM, METU, Ankara, Turkey; chair)
- L. White (University of Bristol, UK).