

STELLA Transatlantic Thematic Network

Sustainable Transport in Europe and Links and Liaisons with America

Focus Group 2 - ICT, Innovation and the Transport System

First Focus Group Meeting - National Science Foundation, Arlington, Virginia

15th January to 17th January 2002

STELLA is a Thematic Network within the Growth Programme of the European Union's 5th Framework Programme of Research & Development. The STELLA Coordinator is Peter Nijkamp from the Free University of Amsterdam. STELLA brings together networks of researchers in both Europe and North America in a quest for common research issues. The North American participants are drawn from the **STAR Network** (Sustainable Transportation Analysis and Research) coordinated by William Black of Indiana University, Bloomington. STAR is supported by the National Science Foundation.

Focus Group 2 - ICT Focus Group Leaders

Andrew Gillespie and Donald G. Janelle

For background information on STELLA and on this meeting, see
<http://www.ncgia.ucsb.edu/ncrst/meetings/stella/>

STELLA Thematic Network
Focus Group 2 - ICT, Innovation and the Transport System

Program

Tuesday 15 January

11:30 a.m. **Opening Luncheon -- Holiday Inn Arlington at Ballston**
(Arlington / Clarendon rooms) 4610 N. Fairfax Drive, Arlington, Virginia
Map and directions can be found on the hotel's web page
(<http://www.holidayinnarlingtonva.com/>)

Thomas Baerwald Welcome to NSF

Peter Nijkamp Welcome and Introductions

Keith Keen Welcome from DGTREN European Commission

Peter Nijkamp Introduction to STELLA Transatlantic Thematic Network

William Black Introduction to STAR

Andrew Gillespie and **Don Janelle** The ICT Focus Group: its overall objectives;
aims of first meeting

2:00 p.m. **Virtual and Physical Communications**
Room 1235, National Science Foundation
4201 Wilson Boulevard, Arlington, Virginia

Chair: **Harvey Miller**

- **Andrew Gillespie**, *Digital Lifestyles, Mobility and the Future City*
- **John Niles**, *Telecommunications Substitution for Transportation*

3:15 p.m. **Break**

3:30-5:00 p.m. **Logistics and Innovation in Transport**

Chair: **Michel Beuthe**

- **T. R. Lakshmanan**, *Transport Investments, the Freight Services Sector and Economic Performance*
- **Tschangho John Kim**, *Location-Based Services (LBS): An Emerging Innovative Transport Service Technology*
- **Michel Savy**, *IT and Freight Transport and Logistics*

Wednesday 16 January

If you are registered for the TRB meetings, you may wish to attend **TRB session 520**

8:00-9:45 a.m. Hilton Washington Hotel, 1919 Connecticut Avenue NW, on Metro Red Line
Session 520 (Monroe East) is sponsored by the TRB Committee on International Activities and the TRB Committee on Intelligent Transportation Systems

Afternoon STELLA/ATLANTIC Joint Meeting on European Union - North American Transportation Research Networks Room 1235, National Science Foundation

1:00 p.m. **Visions from ATLANTIC**

Convener: **John Miles**

Mike MacDonald, A Review of the ROSETTA project.

2:20 p.m. **Coffee Break**

2:40-4:00 p.m. **STELLA - Innovation in Transport-ICT**

Chair: **Roger Stough**

- **Andrew Gillespie and Donald Janelle**, *Social Science Perspectives on Transportation, Information, and Communications Technologies*
- **Dimitrios Tsamboulas**, *ICT Research at the EU level and its Relevance for the STELLA Thematic Network*
- **Margaret Grieco**, *Transport, Information and Communications Technology and Public Transport Failure: Community Monitoring and Demand for Responsive Transport Options*
- **Anna Nagurney**, *Supply Chain Networks and Electronic Commerce*

4:00-5:00 p.m. **Liaisons in Research: Bringing together North American & European Researchers in the New Thematic Networks**

Moderator: **Ken Button**

- Panel (**Aura Reggiani, John Miles, Chelsea White, Andy Gillespie**)
- Open Discussion
- Closing Comments: **Keith Keen**

5:30-7:00 p.m. **STELLA Reception** Holiday Inn Arlington, Ballston Room,
4610 N. Fairfax Drive, Arlington, VA

7:00-9:00 p.m. Werner Rothengatter, President of the World Conference on Transport Research Society, has invited participants of the STELLA workshop to the **President's Reception of the WCTRS** at TRB, Hilton Hotel, Exhibit Hall

Thursday 17 January

The NRECA (National Rural Electric Cooperative Association) Conference Room CC3
4301 Wilson Boulevard, Arlington, VA

- 8:00 a.m. **Urban Form and Changing Lifestyles / Workstyles**
Chair: **Andrew Gillespie**
- **Carsten Gertz**, *The Relationship Between Transportation, Urban Form and ICT: What We Know, What We Don't Know.*
 - **Maria van Geenhuizen**, *The Impact of the E-economy on the Function of Cities as Nodes of Transport and Communications*
 - **Mei-Po Kwan**, *New Information Technologies, Human Behavior in Space-time, and the Urban Economy*
- 9:20 a.m. **Coffee Break**
- 9:40 a.m. **Innovations in Transportation - ICT Research**
Chair: **Morton O'Kelly**
- **Russell Shields**, *Collection and Use of Highly Accurate Map Data in Transportation*
 - **Val Noronha**, *Integrating Remote Sensing into Transport Information Systems*
 - **Martin Lee Gosling**, *GPS-Supported Travel Survey Methods*
 - **Ed Malecki**, *Is the Internet a Railway or an Autobahn? Issues for Research*
- 11:30 a.m. **Closing Discussion – Future Plans for Focus Group 2 / STELLA**
William Black Andy Gillespie, Don Janelle, Aura Reggiani, H.A. van Gent

Meals: With the exception Tuesday's luncheon, participants are on their own for meals. In the District of Columbia, the Dupont Circle area is one region with many restaurants (accessible by the Metro Red Line). In the vicinity of NSF in Arlington, there are several restaurants in the Ballston Common Mall and in the Ballston Metro Center, and along Wilson Boulevard and Fairfax Drive.

Transportation: NSF, NRECA, and the Holiday Inn Arlington are on the Metro system Orange Line (Ballston stop). When you come out of the Metro Station, Fairfax Drive is in front of you. Walk three blocks to the left and cross Glebe Road. The hotel is on the left. If travelling from Washington on the Blue Line, change to the Orange Line at the Rosslyn station.

Acknowledgments:

Thomas Baerwald, National Science Foundation

Susan Ryan, National Science Foundation

Val Noronha, National Consortia on Remote Sensing in Transportation–Infrastructure, UCSB

Henk van Gent, STELLA Network Manager

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Juhani Jaaskelainen/Valerie Moutal, Commission Project Officers ATLANTIC
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European Participants

- **Kay W. Axhausen**, ITH, Zurich, Switzerland
- **Michel Beuthe**, Group Transport and Mobility, Catholic University of Mons, Belgium
- **Maria van Geenhuizen**, Delft University of Technology, The Netherlands
- **H.A. van Gent**, STELLA Network Manager, Free University of Amsterdam, The Netherlands
- **Carsten Gertz**, Technical University of Hamburg-Harburg, European Center for Transportation and Logistics
- **Giorgos A. Giannopoulos**, Hellenic Institute of Transport and Transport Engineering Laboratory, Aristotle University of Thessaloniki, Greece
- **Andrew Gillespie**, Center for Urban and Regional Development Studies, University of Newcastle upon Tyne, United Kingdom
- **Margaret Grieco**, Transport Research Institute, Napier University, United Kingdom
- **Keith Keen**, Directorate-General for Energy and Transport, European Commission
- **Peter Nijkamp**, Economic and Social Institute, Free University of Amsterdam, The Netherlands
- **Eric Pels**, Department of Spatial Economics, Free University of Amsterdam, The Netherlands
- **Aura Reggiani**, Department of Economics, University of Bologna, Italy
- **Werner Rothengatter**, Institute for Economic Policy, Research (IWW), University of Karlsruhe, Germany
- **Michel Savy**, LATTIS, Paris, France
- **Dimitrios A. Tsamboulas**, Department of Transportation Planning and Engineering, Technical University of Athens, Greece

North American Participants

- **Thomas J. Baerwald**, National Science Foundation
- **William R. Black**, Department of Geography, Indiana University, Bloomington
- **David Boyce**, Department of Civil and Materials Engineering, University of Illinois at Chicago
- **Kenneth Button**, School of Public Policy, George Mason University
- **Genevieve Giuliano**, School of Policy, Planning, and Development, University of Southern California
- **Kingsley E. Haynes**, School of Public Policy, George Mason University
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- **Mei-Po Kwan**, Department of Geography, The Ohio State University
- **T.R. Lakshmanan**, Center for Transportation Studies, Department of Geography, Boston University
- **Martin Lee-Gosselin**, GRIMES, Laval University, Quebec
- **Ian MacGillivray**, Iowa Department of Transportation
- **Talia McCray**, GRIMES, Laval University, Quebec
- **Edward J. Malecki**, Center for Urban and Regional Analysis (CURA), The Ohio State University
- **Harvey J. Miller**, Department of Geography, University of Utah
- **Patricia L. Mokhtarian**, Institute for Transportation Studies, University of California, Davis
- **Anna Nagurney**, Finance & Operations Management Department, University of Massachusetts
- **John Niles**, Global Telematics, Seattle WA

- **Val Noronha**, National Consortia on Remote Sensing in Transportation–Infrastructure, University of California, Santa Barbara
- **Morton O'Kelly**, Department of Geography, The Ohio State University
- **Ashish Sen**, U.S. Bureau of Transport Statistics, US Department of Transportation
- **Shih-Lung Shaw**, Department of Geography, University of Tennessee, Knoxville
- **Russell Shields**, Ygomi LLC
- **Roger R. Stough**, School of Public Policy, George Mason University
- **Jean-Claude Thill**, Department of Geography, University at Buffalo (SUNY)

Participants in Wednesday's session from **ATLANTIC** include:

From North America:

- **James Richard Bishop**, Bishop Consulting
- **Kan Chen**, University of Michigan
- **William Johnson**, Consultant, Transport Research, Education & Development Services, Canada
- **David Kamnitzer**, IBI Group, Toronto
- **Chelsea C. White III**, Georgia Institute of Technology
- **James G. White**, Transport Canada, Safety & Security Group

From Europe:

- **Ian Catling**, Catling Consultancy
- **Isabelle Dussator**, POLIS Group of cities, European Union, Brussels
- **Hartmut Keller**, Technical University of Munich, Germany
- **Mike MacDonald**, Transport Studies Group, University of Southampton UK
- **John C. Miles**, Ankerbold International LTD, UK (Technical Director for ATLANTIC)
- **Steve Morello**, ISIS, France
- **Ken Perrett**, TRL, UK
- **Siegfried Rupprecht**, Rupprecht Consult, Germany
- **Keith Keen**, Directorate-General for Energy and Transport, European Commission
- **Konstantinos G. Zografos**, Athens University of Economics and Business