

MULTIMEDIA IN PHYSICS TEACHING AND LEARNING

WORKSHOP 1999

AMSTEL Institute, University of Amsterdam

Sunday November 21

Hotel Lancaster Plantage Middenlaan 48 1018 DH Amsterdam
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Monday November 22

AMSTEL Institute, Studio Classroom, Kruislaan 404

Telephone Institute: 5255886/5869

8.45 Departure from hotel by minibus/taxi

9:15 Welcome Prof. Dr W. Hoogland, Dean of Science Faculty, University of Amsterdam

9:25 Introduction to the workshop Ton Ellermeijer, Hans J. Jodl

A : Distance Learning and WEB-technologies

9:40. Frank Schweickert. Kaiserslautern, Germany

FiPS - Physics and Distance Learning

10:10 Wolfgang Christian. North Carolina, USA.

New Techniques for Authoring Interactive Curricular Material

10:40 Coffee break

11:00. Marjon Engelberts. Utrecht, The Netherlands

Projects in Utrecht with LabView; the educational environment 'The Educator'.

11:30 Daniel Roth. Kaiserslautern, Germany

Use of Multimedia in the FiPS Project.

12:00 Ton Ellermeijer and Ewa Mioduszezwska. Amsterdam, The Netherlands.

The Bicycle project, Investigations with International Teams Using Interactive Technologies.

12:30 : lunch

Didactical Aspects and Research

14:00 Dieter Heuer. Wurzburg, Germany.

Learning Physics with Multimedia-experimental Supported Workshop Instruction-
Experiences with a (New) Instructional Concept

14:30 Toon van Hoecke, W. Wieme, E. van Zele, J. Lenaerts Gent, Belgium.

New Learningware for a Quantum Physics Course.

15:00 K. Kambouris, P. Dimitriadis. Athens, Greece

Teaching Kinematics and Thermodynamics in low Secondary Education in Greece - A new technology - based learning environment.

15:30 Coffee break

16:00 Ulrich Harms. Tuebingen, Germany.

Report on the Workshop "New Trends in Physics Teaching", Puebla (Mexico)

16.30 Cees Mulder. Amsterdam, The Netherlands.

Computers in Investigations in Physics.

17:00 – 17.30 Discussion 1.

17.45 Departure to the hotel

18.45 Hotel Lobby: Departure for dinner

Tuesday, November 23

8.30 Departure from Hotel by minibus/taxi

9:00 Ewa Mioduszezewska, Ton Ellermeijer. Amsterdam, The Netherlands.

Coach 5: Science and Technology Learning Environment for 15 – 20 years' students.

9:30 Piet Molenaar. Amsterdam, Netherlands.

Mechanics in a Multimedia approach

10.00 Jürgen Kirstein. Berlin, Germany

Interactive Screen Experiments - Documentation and Presentation of Real Experiments in Physics with Standard Multimedia Technology

10:30 Coffee break

Using Internet for communication with teachers, students and general public.

10:50 Heinz Oberhummer. Vienna, Austria.

Development of the multimedial learning and teaching system ESPACE.

11:20 Helmut Kühnelt. Vienna, Austria

Supporting teachers through Internet.

11:50 Cees Mulder. Amsterdam, The Netherlands.

Supporting students of secondary schools through Internet.

12:30 Lunch

14:00- 16:00 Discussions

Future actions of the group. The next european contracts. How can we answer to them?

Next meeting, where when?

16:00 Closure