

Discussion Groups “Teachers teaching with technology“

Team:

Ian Galloway (I.Galloway@soton.ac.uk)

Institute of Physics, UK (corresponding organizer)

Prof. Dr. Bärbel Barzel (baerbel.barzel@uni-due.de)

University Duisburg-Essen (corresponding organizer)

Prof. Dr. Andreas Eichler (eichler@mathematik.uni-kassel.de)

University Kassel

Program

The two sessions of the T3-discussion group cover the main aspects of the work of T3 Europe, particularly in Germany. Each session will be organized along two subtopics beginning with a brief input (max. 10 min) about a concrete example - followed by a statement from the discussant to open a plenary discussion afterwards.

Session 1, July 27th, 16.30 – 18.00

T³ as an ongoing network for teachers' professional development

16.30 – 16.35	Welcome and Introduction
16.35 – 17.15	Best practice in using technology for teachers' professional development. <ul style="list-style-type: none">• Input: Oliver Wagener, Germany• Discussant: Gilles Aldon, France Plenary discussion
17.15 – 17.55	The use of analysis and experimental work to bridge mathematics and science. <ul style="list-style-type: none">• Input: Daniel Thurm, Germany• Discussant: Lynda Ball, Australia Plenary discussion
17.55 – 18.00	Summary

Session 2, July 29th, 16.30 – 18.00

Changing knowledge and beliefs of in-service teachers

16.30 – 16.35	Welcome and Introduction
16.35 – 17.15	Changing knowledge and beliefs of teachers as they begin to use technology in mathematics teaching <ul style="list-style-type: none">• Input: Johan Deprez, Belgium• Discussant: Gail Burrill, US Plenary discussion
17.15 – 17.55	Changing knowledge and beliefs of teachers using formative assessment <ul style="list-style-type: none">• Input: Hana Ruchniewicz, Germany• Discussant: Tom Dick, US Plenary discussion
17.55 – 18.00	Summary