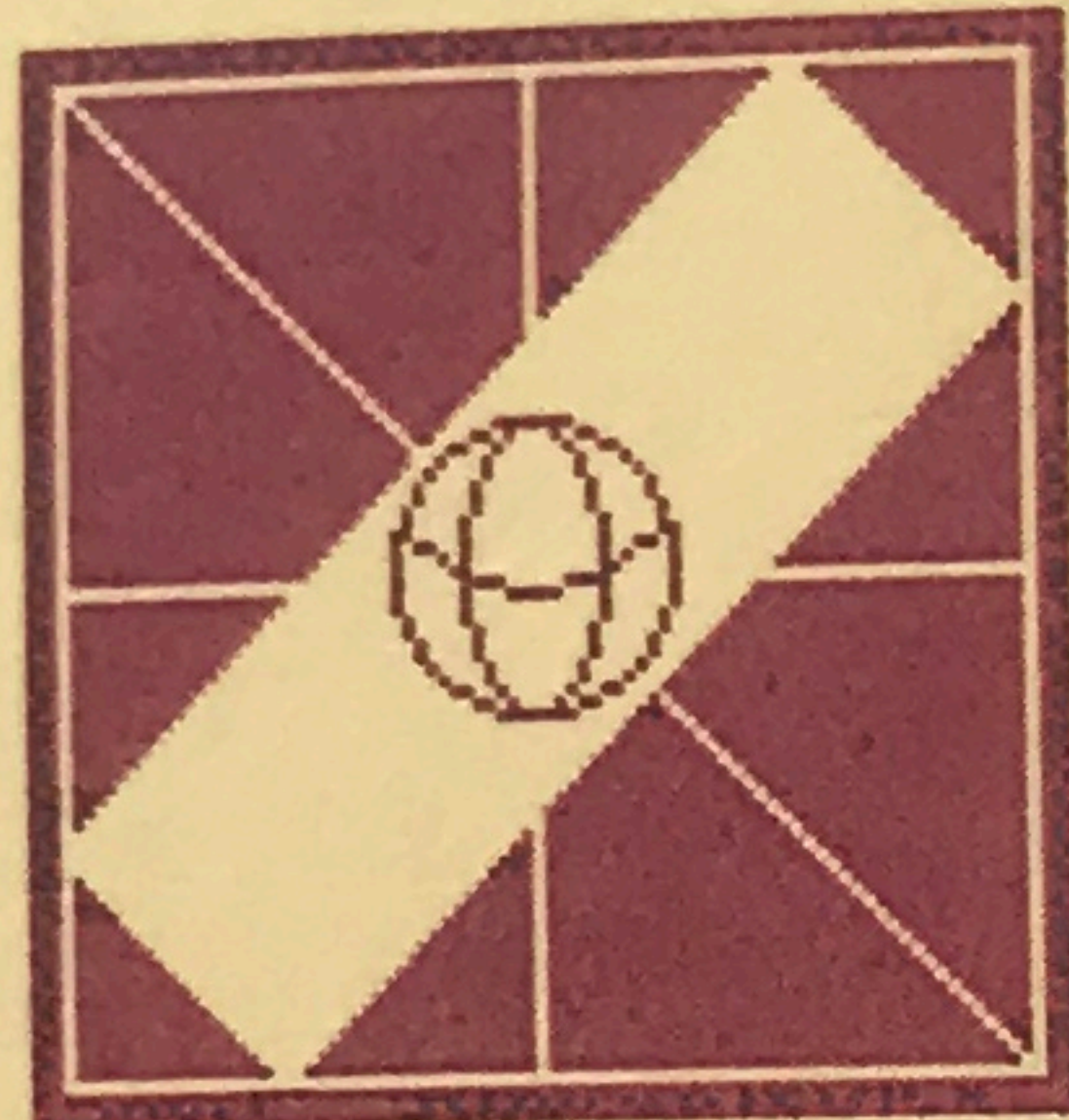


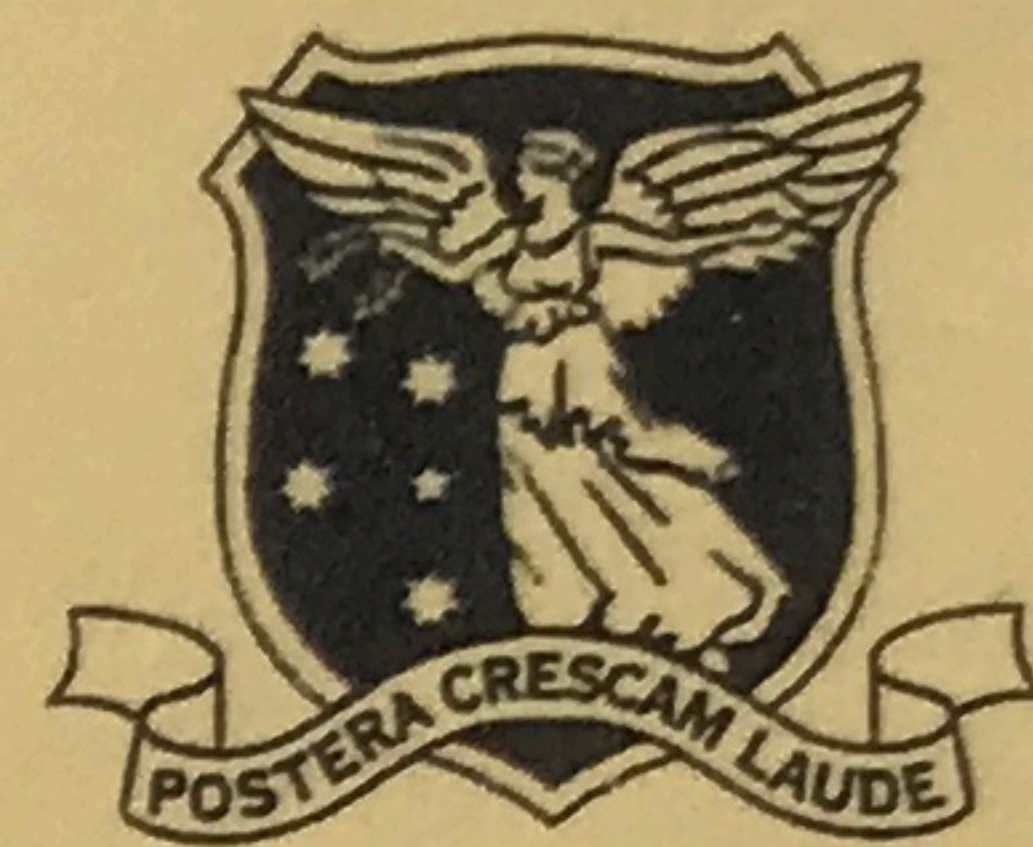
IFIP-Melbourne Conference:

ICT and the Teacher

of the Future



IFIP



**THE UNIVERSITY OF
MELBOURNE**

St. Hilda's College,

The University of Melbourne, Australia

January 27th – 31st, 2003

Conference Handbook

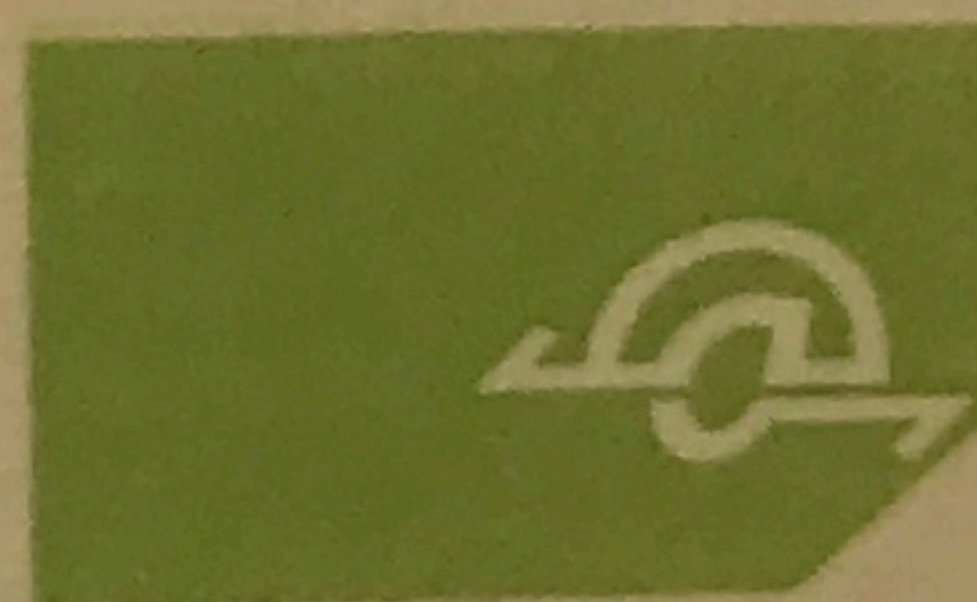


AUSTRALIAN COMPUTER SOCIETY

Advancing IT Professionals



ICTEV



Papers

Monday: 1050-1230

Roles of the Teacher

1. Margaret Cox (UK) *Do attitudes, pedagogical practices and teachers' roles need to change to enable them to incorporate ICT in the school curriculum?*
2. Nancy Law (Hong Kong) *Innovative classroom practices and the teacher of the future*
3. Raymond Morel et al (Switzerland) *From teacher education to professional development for e-learning in an e-society*
4. Dianne Chambers (Australia) *Developing ICT leadership skills for the teacher of the future*

Tuesday: 0900-1040

The Teacher as a Professional

1. Sigrid Schubert (Germany) *New qualification and certification for specialist ICT teachers*
2. Jose Valente (Brazil) *In service teacher development using ICT: First step in lifelong learning*
3. Niki Davis et al. (USA) *A path to the future: Generative evaluation for simultaneous renewal of ICT in teacher education and K-12 schools*
4. Vittorio Midoro (Italy) *Developing a European pioneer teacher community for school innovation*

Tuesday: 1400-1540

Teaching Environments

1. Geoff Romeo (Australia) *Technology matters but good teachers matter more*
2. Wolfgang Weber (Germany) *Professional development needs of teachers managing self-guided learning*
3. Giampaolo Chiappini (Italy) *Mathematical teaching and learning environment mediated by ICT*
4. Andrea Kárpáti (Hungary) *ICT and the quality of teaching – Some Hungarian results of the OECD ICT Project*

Friday: 0900-1040

The Teacher and Society

1. Jari Multisilta (Finland) *The teacher in the mobile world*
2. Paul Newhouse (Australia) *Using portable computer technologies to support learning environments*
3. Ferran Ruiz Tarrago (Spain) *E-learning, ICT and learning portals for school education*

Short Papers

Monday 1400-1530

Session 1

1. **Terry Cannings and Sue Talley (USA)** *Bridging the gap between theory and practice: The use of video case studies*
2. **Roger Carlsen (USA)** *Using an educational census to reach educational technology tipping point*
3. **Tony Jones (Australia)** *ICT and future teachers: Are we preparing for e-learning?*
4. **Elizabeth Hartnell-Young (Australia)** *From facilitator to knowledge-builder: A new role for the teacher of the future*
5. **Kristian Kiili (Finland)** *Technology reachability: Resources wasted to separated computer rooms*

Session 2

1. **Andrew Fluck (Australia)** *Why isn't ICT as effective as it ought to be in school education?*
2. **Steve Kennewell (UK)** *Developing research models for ICT-based pedagogy*
3. **Ted Clark (Australia)** *Disadvantages of collaborative online discussion and the advantages of socialibility, fun and cliques for online learning*
4. **Trena Wilkerson and Douglas Rogers (USA)** *Multiple platform videoconferencing to support education and professional development in mathematics*
5. **Clayton Pessoa (Brasil)** *Internet projects - International cooperation*

Tuesday 1110-1240

Session 3

1. **Richard Hogg (Australia)**
2. **Debora Goldman (Australia)** *Reality bytes: A reflection of the perception versus the reality of teaching with ICT*
3. **Nick Reynolds (Australia)** *Musical composition and creativity in an ICT-enriched learning environment - a case study*
4. **Nicole Veelo (Norway)** *Conditions and possibilities for integration of ICT in open teaching in secondary schools - A comparative study in preparation*
5. **Theda Thomas (Australia)** *Cooperative learning and object-oriented development methods*

Session 4

1. **Bronwyn Disseldorp and Dianne Chambers (Australia)** *Selecting the right technology for students in a changing teaching environment: A case study*
2. **John Murnane (Australia)** *Teaching teaching with information technology*
3. **David Passig and Adva Margalio (Israel)** *A model for training future science teachers to master the cognitive skill melioration with ICT*
4. **Janine Bowes (Australia)** *The emerging repertoire demanded of teachers of the future: Surviving the transition*
5. **Hélène Godinet (France)** *Virtual and distant actors on a digital campus, or sharing and crumbling pedagogical responsibility*

Note: Names in bold indicate the author who is attending the conference and presenting.

Wednesday 1400-1530

Session 5

1. **Tim Denning et al.(UK)** *Thinking skills and ICT used in the classroom?*
2. **Carolyn Dowling (Australia)** *The role of the human teacher in learning environments of the future*
3. **Wing-Wah Ki (Hong Kong)** *Teacher empowerment and minimalist design*
4. **Alberto Rizzo (Australia)** *Activity centered professional development and teachers' take up of ICT*
5. **Toshinori Saito and Hajime Ohiwa (Japan)** *Roles of the teacher in media literacy education*

Session 6

1. **Rosa Bottino (Italy)** *ICT, national policies, and impact on schools and teacher development*
2. **Terry Cannings (USA)** *Online constructionism and the future of teacher education*
3. **Mike Kendall (UK)** *Realising an environment for the teacher of the future*
4. **Johannes Magenheimer (Germany)** *Social, affective and normal aspects of learning in ICT-enriched learning environments*
5. **John Vincent (Australia)** *Individual differences, technology and the teacher of the future*

Thursday 1100-1230

Session 7

1. **Josie Hopkins and Anne McDougall (Australia)** *Constructionist learning and teaching in a computer clubhouse environment*
2. **Henk van Dielen (Netherlands)** *Slash 21*
3. **Lyn Regan, Elaine Robertson and Des McKenzie (Australia)** *Integration of ICT into the primary curriculum at Anderson's Creek Primary*
4. **Valentina Dagiene (Lithuania)** *Focus on the pedagogical dimension in ICT literacy for teachers*
5. **Trees Haaksma and Hans Puper (Netherlands)** *ICT and the new roles of the teacher in Dutch secondary school*

Session 8

1. **Jill Vincent (Australia)** *A technological environment for promoting mathematical reasoning: A dynamic approach to geometric proof*
2. **Bernard Holkner (Australia)** *Four platforms: Moral perspectives on information technology*
3. **Joyce Currie Little (USA)** *Using cases to increase interest in ICT and computing as a career*
4. **Ian Webb and Toni Downes (Australia)** *Raising the standards - A proposal for an ICT standards framework for teachers*
5. **Martin Boyle and Anne McDougall (Australia)** *Formal and informal environments for the learning and teaching of computer programming*

Wednesday Program

Wednesday's program includes four invited speakers:

Greg Hunt: Manager, State Education - Melbourne Museum

Old learning, new learning: Education at Melbourne Museum

Margaret Robertson: Executive Manager, Royal Children's Hospital Education Institute

Deborah Fels: Visiting Scholar, Royal Children's Hospital Education Institute, Associate Professor, School of Information Technology Management, Ryerson University, Canada

Kids in hospital, kids in school

Garry Putland: EdNA (Education Network Australia)

Working together building Australia's knowledge networks

Chairs

Keynotes (Auditorium)

Monday 0915 Anne McDougall, Pieter Hogenbirk

Wednesday 0900 Anne McDougall

Friday 1400 Pieter Hogenbirk, Anne McDougall

Papers (Auditorium)

Monday: 1050-1230

Roles of the teacher Bernard Cornu

Tuesday: 0900-1040

The teacher as a professional Raymond Morel

Tuesday: 1400-1540

Teaching environments Rosa Bottino

Friday: 0900-1040

The teacher and society Niki Davis

Short Papers

Monday: 1400-1530

Session 1 Wolfgang Weber

Session 2 Jan Wibe

Tuesday: 1110-1240

Session 3 Sigrid Schubert

Session 4 Harriet Taylor

Wednesday: 1400-1530

Session 5 Ferran Ruiz Tarrago

Session 6 Jari Multisilta

Thursday 1100-1230

Session 7 Terry Cannings

Session 8 Margaret Cox

Reports of Focus Groups

Friday 1110-1230 Rosa Bottino and Wolfgang Weber

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	Registration Conference Office 0830-0900	Papers: The Teacher as a Professional Chair: Raymond Morel Schubert; Valente; Davis et al; Midoro. (Auditorium)	Keynote (Auditorium) Barry Harper Chair: Anne McDougall	Thursday Focus Groups	Friday Papers: The Teacher and Society Chair: Niki Davis Multisilta; Newhouse; Tarrago. (Auditorium)
	Welcome and Formal Opening Auditorium Anne McDougall Pieter Hogenbirk 0900-0915				
	Keynote Bernard Cornu 0915	0900-1040	0900-1000	0900-1030	0900-1040
	Coffee 1020-1050	Coffee 1040-1110	Coffee 1000-1040	Coffee 1030-1100	Coffee 1040-1110
	Papers: Roles of the Teacher Chair: Bernard Cornu Cox; Law; Morel et al.; Chambers (20 + 5) minutes x 4 (Auditorium)	Short Papers Session 3 (Auditorium) Chair: Sigrid Schubert Hogg; Goldman; Nick Reynolds; Veelo; Thomas. Session 4 (Common Room) Chair: Harriet Taylor Disseldorp & Chambers; Murnane; Passig et al.; Bowes; Godinet.	Margaret Robertson & Deborah Fels Royal Children's Hospital Education Institute Greg Hunt Museum of Victoria Garry Putland EdNA Chair: Geoff Romeo (Auditorium)	Short Papers Session 7 (Auditorium) Chair: Terry Cannings Hopkins & McDougall; Van Dieten; Regan et al.; Dagiene; Haaksma & Puper. Session 8 (Common Room) Chair: Margaret Cox Vincent; Holkner; Little; Webb & Downes; McDougall et al.	Reports of Focus Groups (Auditorium) Chair: Wolfgang Weber and Rosa Bottino
	1050-1230	1110-1240	1040-1225	1100-1230	1110-1230
	Lunch (Dining Room) 1230-1400	Lunch 1240-1400	Lunch 1225-1400	Lunch 1230-1315	Lunch 1230-1400
	Short papers (15 + 3) minutes x 5 Session 1 (Auditorium) Chair: Wolfgang Weber Cannings et al.; Carlsen; Jones; Hartnell-Young; Kiili. Session 2 (Common Room) Chair: Jan Wibe Fluck; Kennewell; Clark; Wilkerson et al; Pessoa.	Papers: Teaching Environments Chair: Rosa Bottino Romeo; Weber; Chiappini et al.; Kárpáti. (Auditorium)	Short papers Session 5 (Auditorium) Chair: Ferran Ruiz Tarrago Denning et al.; Dowling; Ki; Rizzo; Saito et al.. Session 6 (Common Room) Chair: Jari Multisilta Bottino; Cannings; Kendall; Magenheim; John Vincent.	Excursions Depart 1320	Keynote and Close (Auditorium) Deryn Watson Chair: Pieter Hogenbirk, Anne McDougall 1400
Registration (Common Room) From 1600	1400-1530	1400-1540	1400-1530		
Opening and Welcome (Common Room)	Tea 1530-1600	Tea 1540-1610	Tea 1530-1600		
	Focus Groups 1600-1730	Focus Groups and Posters 1610-1730	Focus Groups 1600-1730		
IPC and Organising Committee 1730-1830	Happy Hour (Common Room) 1730-1830	Happy Hour (Common Room) 1730-1830			
	AGM WG 3.1 1800	AGM WG 3.3 1800			
	Evening Informal Restaurant Groups	Evening Informal Restaurant Groups	Conference Dinner Aussie Barbecue (1900)	Evening Informal Restaurant Groups	