

**CHEMICAL EDUCATION RESEARCH GROUP
ROYAL SOCIETY OF CHEMISTRY**

*Please note the group has about 200 members – those listed below have given explicit permission for their details to be published on the web.
(List revised November 2006)*

Name	Address	E-mail	Affiliation	Research Interests
Ms Loukia Anastasiades	30A Agapenor St., 1076 Nicosia, Cyprus.	lale@cytanet.com.cy	Chemistry teacher trainer	Methodology in teaching chemistry; Computers as a tool in the teaching of chemistry; Alternative concepts in chemistry.
Dr Frank J Arnold	'Swn y Nant', Llanboidy, Carmarthenshire, S Wales, SA34 0EE	frankvarnold@hotmail.com	Consultant	Comparisons between the various examination boards and the 'A'-level GCE courses they offer. In particular Salters' Chemistry versus the rest; is this the way forward?
Mr P A Barker	Woodhaven, 2 Littleblair Drive, Rosemount, Blairgowrie, Perthshire, PH10 6JL	Pabarker@quista.net	Retired	'Standards' in public examinations, getting easier of just different? I believe government pressure has resulted in examinations getting easier so that more students are getting higher grades in schools and universities. In science the pressure is to cut out difficult topics – especially mathematical problems.
Mrs Leslie Barton	80 Weybourne Crescent Toronto, Ontario Canada M4N 2R7	barton@sympatico.ca.com	Toronto French School (Retired) National examiner for (Canadian) High School Chemistry Examination.	Teaching chemistry through applications in everyday life and through experimental work. Assessment techniques; especially those involving data-based assessment instruments and visio-spatial assessment. Development of activities for use in outreach programmes – e.g. chemistry walks.
Mrs Ann Benson	Ty Gwyn, Wainfield Lane, Gwehelog, Usk NP15 1RG	ann.benson@which.net	Special Lecturer University of Bristol	Assessment Comparability in National Examinations in Science

Prof. Dr L Brandt . (International CERG committee member.)	University of Leuven, Celestijnenlaan 200 G, B3001 Leuven, Belgium	Ludo.Brandt@chem.K uleuven.ac.be	Professor, Chemistry Teachers' Training Centre	Teacher Training; Curriculum development; Evaluation and assessment techniques; Concept mapping; Visualisation of Chemical Phenomena.
Tim Brosnan	Institute of Education University of London 20 Bedford Way London WC1W 0AL	t.brosnan@ioe.ac.uk	Lecturer	Children's understanding of chemical concepts; computational modelling; curriculum development in chemistry
Prof. Paolo Bruni	Dept. Material Chemistry, Univ.Ancona, 60100 Ancona Italy	Bruni@popsci.unidu.i	Full Professor	Radical Chemistry & charge transfer complexes in organic Chemistry
Peter Calder	18 Edge Hill Road, Leek, Staffordshire, ST13 8NF.	pc@leekhigh.staffs.sch .uk	Head of Chemistry Leek High School.	Formative assessment and its link with self- efficacy. Its use in chemistry teaching. Use of 'Moodle' as a virtual learning environment.
Dr Peter E Childs	Department of Chemical and Environmental Sciences, University of Limerick, Ireland.	Peter.childs@ul.ie (www.ul.ie/~childsp)	Senior Lecturer in Chemistry.	Strategies for promoting chemistry in schools; Role of STS in Irish chemistry syllabus and examination; Analysis of Irish science Statistics; Development of context-based curriculum materials.
Miss Elizabeth Culling	131A Ley Street, Ilford, Essex, IG1 4BH	ElizabethCulling940@ hotmail.com	Science Teacher	The perceived ability of GCSE students towards their mathematical ability in scientific contexts; how this affects competence and how teachers can influence perception to improve performance.
Mr Peter E Curry	"Little Copse", Hawksfold Lane East, Haslemere, Surrey, GU27 3JW	peter.curryle@btintern et.com	Private Tutor in Science.	
Dr B E Dawson	74 Hamstel Road Southchurch Southend-on-Sea Essex SS2 4PF	n/i	Retired -Formerly Senior Lecturer King's College London	Place of Chemistry and other sciences in the school curriculum: role of practical work: use of models; industry link schemes; history and philosophy of science/science education. Everyday relevance, including environmental matters; attitude formation
Mr Justin Dillon	King's College London, Waterloo Road, London SE1 8WA	justin.dillon@kcl.ac.uk	Lecturer	Children's Ideas; Teacher Development; Assessment

Dr Anne Doherty (CERG Committee)	Edge Hill College, NGAS (Natural, Geographical and Applied Science), St. Helen's Road, Ormskirk, Lancs. L39 4QP	dohertya@edgehill.ac.uk	Senior Lecturer	Assessment of problem solving and investigative skills with increasing chronological age. Mathematical problems in chemistry/science. Environmental science. Nitrosation Kinetics.
Dr Michael Gagan (CERG Committee)	The Open University (NW Region) 70 Manchester Road Chorlton-cum-Hardy Manchester M21 9UN	j.m.gagan@open.ac.uk	Science Staff Tutor Open University	Raising the profile of chemistry education, research across Europe, building up contacts between researchers, improving quality of chemistry education research
Mr Alan J Goodwin CERG Secretary (past CERG Committee-Chairman)	Institute of Education Manchester Metropolitan Univ. 799 Wilmslow Road, Didsbury Manchester M20 2RR	A.Goodwin@mmu.ac.uk	Head of Sciences Education Dept. (Retired)	Chemistry teachers' learning of chemistry Teacher development. 'Wonder' and the teaching and learning of science.
Dr J C Halfpenny	Dept. of Chemistry and Physics Nottingham Trent University Clifton Lane Nottingham NG11 8NS	n/i	Principal Lecturer	Access to Chemistry in HE for non-traditional groups, effective teaching methods for both theory and practical, meaningful assessment
Dr J Horgan	University of Wales, Aberystwyth Staff Development Unit Old College, King Street, Aberystwyth SY23 2AX	jeh@aber.ac.uk	Staff Development	Children's/Students' understanding of chemistry (and other science concepts) and how they can be helped to change them.
Dr T R Hull	Dept. of Chemistry & Applied Chemistry University of Salford The Crescent, Salford M5 4WT	t.r.hull@chemistry.salford.ac.uk	Lecturer	Chemistry Practical work using instrumentation or interfacing to APC
Dr Vanessa Kind (CERG Committee)	School of Education, University of Durham, DH1 1TA	Vanessa.kind@durham.ac.uk	Teacher Fellow.	Developing teachers' pedagogical content knowledge, development of understanding of chemical ideas from 11 onwards, post-16 science education, science teacher/s professional development.

Mr Andy Markwick	206, Wellmeadow Road, Catford, London. SE6 1HS	Markwick@dircon.co. uk	Head of Science, Prendergast School, Brockley, SE4 1LE (Mentor- trainer secondary science)	Application of geochemistry / geophysics to understanding lower crustal processes in the Kola Peninsula. This is achieved by using xendiths and theoretical modelling. Science Education; assessment, effectiveness and improvement, gifted and talented pupils, teaching and learning chemistry.
Prof. Paolo Mirone	Via Tagliacozzi 3 40141 Bologna, Italy	mirone@unimo.it	Professor / retired	Didactics of thermodynamics, Criteria for the assessment of meaningful learning.
Dr Soad Mohialdin- Khaffaf	47, Gorse Bank Road, Altrincham, Cheshire WA15 0BB	Soad.Mohialdin- Khaffaf@avecia.com	Research Chemist	Development and modification of organic polymers with high and low permittivity for use as electronic materials for fabrication of organic semiconductors, light emitting diodes and photo- voltaic applications.
Dr Karen Moss	Dept. of Chemistry and Physics Nottingham Trent University Clifton Lane, Nottingham NG11 8NS	karen.moss@ntu.ac.uk		Video for teaching (member of CVC project). Use of WWW in teaching. Integration of CAL into curriculum. Curriculum development. (Project Improve Secondee on developing context-based Chemistry degrees).
Mr Andrew Nelson	Biggar High School, John's Loan, Biggar. ML12 6AG	Dnelson@biggar.s- lanark.sch.uk	Chemistry Teacher / Environmental Consultant.	Using models to teach chemistry concepts in the secondary syllabus. Fertilizer Chemistry.
Assist. Prof. C K Or	Faculty of Education University of Hong Kong Pokfulam Road, Hong Kong, China.	CKOR@HKUcc.Hku. Hk	Assistant Professor	Science-Technology- Society (Teaching chemistry/science in a societal/daily relevant approach. Scientific literacy in chemistry)
Prof. Yuri Orlik	Kra 15A # 44-3 of.202, Bogota, Colombia.	Oen85@yahoo.com	Prof. of Chemistry, Javeriana University, Bogota	Research methods, evaluation and assessment; Active methods of teaching and learning; computers and internet education. Director Journal of Science Education, www.colciencias.gov.co/rec

Dr J Oversby (CERG Committee)	Institute of Education, The University of Reading Bulmershe Court, Earley Reading RG6 1HY	J.P.Oversby@reading.a c.uk	Lecturer in Science Education	Aspects of modelling in chemical education. The role of the chemistry teacher in interpreting expert chemistry to novices. Developments in the use of ICT in teaching and learning about chemistry. The history of chemistry in relation of models. Initial and continuing teacher education in chemistry
John Owen	Dept. of Chemistry & Geoscience Camosun College, 3100 Foul Bay Road, Victoria BC, Canada V8P 5J2	owen@camosun.bc.ca	Chair	Using spreadsheets in problem solving Examination of rules students use.
Mr W P Palmer	Home: PO Box 41622, Casuarina, NT 8811. Australia Street Address: 10 Hurtle Street Alawa, NT University Address: Faculty of SITE, Northern Territory University, Darwin, NT0909, Australia	palmer@darwin.ntu.ed u.au	Senior Lecturer / Science Education	Chemical education / history of chemistry and a range of educational and general topics
Dr J Parkinson	Department of Education University of Wales, Swansea Hendrefoilan, Swansea SA2 7NB	j.parkinson@swansea.a c.uk	Senior Lecturer	Pupils' attitudes towards science, the use of ICT in learning science. The use of practical work. The development of teachers.
Dr E Papakostopoulos	St Paul's Girls' School, Brook Green, London, W6 7BS.	Ezi. Papakostopoulos@spg s.org	Chemistry Teacher	Happy to comment. Currently a member of the Advisory Committee for the new 21 st Century Science GCSE (Pilot Phase started Sept 2003)
Mr Henry Ratter	12, Pine Gardens, Upton, Chester, CH2 1DB.	ratterh@aol.com	Consultant/Owner DEVELOP (HR and Manufacturing Improvement Consultancy	<ul style="list-style-type: none"> • Application of learning; making a difference to the bottom line. • IGDS Masters in Chemical Technology, Management and IT by distance learning at Strathclyde University • Learning mentors.
Dr J David Ruddick	School of Applied Biological and Chemical Sciences University of Ulster Jordanstown, Co.Antrim BT37 0QB	JD.Ruddick@ULST.ac .uk	Lecturer	Video for teaching (member of TLTP Project). Distance teaching and learning - especially use of video conferencing. Computer-mediated learning (use of a Q-mark software to structure a course

Manuela Martín Sánchez	Departamento Didáctica Ciencias Experimentales, Facultad de Educación, Rector Royo Villanova s/m, 28040 Madrid, Spain.	mmartins@edu.ucm.es	Professor	Experimental work and low cost materials in teaching and learning chemistry
Dr Sansar Chand Sangar	19 Hollym Close, Lower Earley, Reading, RG6 3XW	n/i		Prior knowledge and problem solving in chemistry topics.
David Shand	1 Soyaux Avenue, Monifieth, Dundee, DD5 4HE Scotland	DLShand@doctors.org.uk	Teacher of chemistry and science	<ul style="list-style-type: none"> The use of information and communication technology in the teaching of scientific concepts and also in the sharing of scientific knowledge. Learning and teaching strategies.
Keith Alexander Simpson	48 Haling Park Road, South Croydon, Surrey CR2 6NE	Keithalexandersimpson@hotmail.com	Chemistry Teacher	Chemistry Education – misconceptions – teacher training. Science teaching of devout Muslims in the UK.
Dr B Slater	Education Department County Hall Topsham Road Exeter EX2 4QG	B.Slater@ched.Devon-cc.gov.uk	Assistant Chief Education Officer	Language in chemistry teaching
Dr Lesley E Smart (CERG Committee)	Chemistry Department, Open University, Walton Hall, Milton Keynes, MK7 6AA	l.e.smart@open.ac.uk	Senior Lecturer	Use of multimedia in teaching chemistry. Solid state chemistry: characterisation of catalysts and pigments.
Dr Keith S Taber (Chairman CERG Committee)	University of Cambridge Faculty of Education, Homerton Site, Hills Road, Cambridge CB2 2PH	keith.taber@physics.org kst24@cam.ac.uk	University Lecturer in Science Education	Learning and learners' ideas in science, gender and science, relationship between learning chemistry and learning physics. High ability in science.
Mr Peter J Towse	CSSME, University of Leeds, Leeds LS2 9JT	P.J.Towse@education.leeds.ac.uk	Lecturer, Science Education	Language in the learning of science; education-business partnerships in the development of teaching resources
Zahoor Ul-Haq	Chemistry Department, The University of York Heslington, York, YO10 5DD	Zuh1@york.ac.uk	Senior Laboratory Technician	The application of multimedia technology for the development of practical skills at the undergraduate level. My research has focused on the development of a teaching aid for enhancing students' practical work.

Dr Audrey H Wilson	Dept. Chemistry University of Wollongong NSW 2252, Australia	audrey- wilson@uow.edu.au	SL in Chemistry	Chemical Education. Multi-media in chemical education. Short-term memory influence on chemistry performance. Effects of post lab tests on performance
Dr P C Yates (CERG Committee – Treasurer)	Learning and Development Centre Hornbeam Building Keele University, Keele Staffordshire, ST5 5BG	p.c.yates@keele.ac.uk	Academic Staff Developer	Investigating and addressing problems students have in learning physical chemistry, particularly those involving mathematics. Evaluating the effectiveness of the use of technology in chemistry degree programmes
Prof. Uri Zoller (International CERG committee member.)	Faculty of Science and Science Education-Chemistry, Haifa University - Oranim, Kiryat Tivon 36006; Israel.	Uriz@research.haifa.ac.il	Professor of Chemistry and Science Education	<ul style="list-style-type: none"> -Synthetic Organic Chemistry: Small ring sulfur heterocycles. - Environmental Chemistry: Surfactants and PAHs in the environment. - Teaching, learning and assessment of higher order cognitive skills (HOCS) in chemistry education, science education and in the STES (Science-technology-environment-society context)