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RGU Communications Office on
01224 262210 or **newsdesk@rgu.ac.uk**



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RGU EXPERTS
listed alphabetically

Mary Addo

School of Nursing & Midwifery

AREAS OF EXPERTISE

- ▲ Mental health
- ▲ Psychiatric nursing
- ▲ Nursing in secure environments

T: 01224 262659

E: m.a.addo@rgu.ac.uk

Dr Hatem Ahriz

School of Computing

AREAS OF EXPERTISE

- ▲ Artificial intelligence
- ▲ Databases

T: 01224 262787

E: h.ahriz@rgu.ac.uk

Professor David Alexander

MA(Hons) C.Psychol, PhD

Director, Aberdeen Centre for Trauma Research

AREA OF EXPERTISE

- ▲ Psychological/psychiatric aspects of trauma including: traumatic bereavement, terrorism, hostage taking, and major catastrophes

T: 01224 263101

E: d.a.alexander@rgu.ac.uk

Dr Jillian Anable

Centre for Transport Policy

AREAS OF EXPERTISE

- ▲ Transport policy
- ▲ Climate change
- ▲ Travel mode choice
- ▲ Psychological and behavioural aspects of travel
- ▲ Attitudes to travel

T: 01224 263136

E: j.anable@rgu.ac.uk

Professor Alistair R Anderson

Charles P Skene Centre for Entrepreneurship

AREAS OF EXPERTISE:

- ▲ Entrepreneurship
- ▲ Small business
- ▲ Social capital
- ▲ New business formation

T: 01224 263883

E: a.r.anderson@rgu.ac.uk

Ines Arana

School of Computing

AREAS OF EXPERTISE:

- ▲ Artificial intelligence
- ▲ Knowledge based systems
- ▲ Data mining

T: 01224 262716

E: i.arana@rgu.ac.uk

Dr Paul Arnell

Aberdeen Business School

AREA OF EXPERTISE:

- ▲ International law
- ▲ International criminal law
- ▲ Constitutional law
- ▲ Human Rights law

T: 01224 263420

E: p.arnell@rgu.ac.uk

Derek P Auchie

Aberdeen Business School

AREAS OF EXPERTISE

- ▲ Law of evidence (Scots & comparative)
- ▲ Law of civil procedure (Scots & comparative)
- ▲ Dispute resolution processes
- ▲ Law of arbitration (Scotland, England & international)

T: 01224 263425

E: d.p.auchie@rgu.ac.uk

Professor (Andrew) Dave Barclay

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ Forensic science
- ▲ Cold case review

T: 01224 262800

E: a.d.barclay@rgu.ac.uk

Professor Norman Bonney

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Local government & community councils
- ▲ Social inequalities including social class & race
- ▲ Social trends
- ▲ Work-life balance
- ▲ Scottish Parliament

T: 01224 263848

M: 0771 2668807

E: n.bonney@rgu.ac.uk

Dr Susanne P Boyle

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Oxidative stress
- ▲ Mental health
- ▲ Biomarker determination (ex vivo & in vitro)

T: 01224 262529

E: s.boyle@rgu.ac.uk

Professor Robert Bradley

School of Engineering

AREAS OF EXPERTISE:

- ▲ Biomaterials
- ▲ Surface physics & chemistry
- ▲ Materials science

T: 01224 262822

E: r.bradley@rgu.ac.uk

David Briggs

Executive Director (Human Resources)

AREAS OF EXPERTISE:

- ▲ Employment strategy and practice
- ▲ Industrial relations and negotiations
- ▲ Pay & benefits
- ▲ Organisational change, leadership & management development
- ▲ Operations management

T: 01224 262015

E: d.briggs@rgu.ac.uk

Professor Iain Broom

Clinical Obesity Research Centre

AREAS OF EXPERTISE:

- ▲ Obesity
- ▲ Metabolic response to trauma, sepsis & cancer
- ▲ Energy costs & control of protein desposition in man in normal & pathological states
- ▲ Protein kinetics in pathological states
- ▲ Molecular biology & clinical management of obesity

T: 01224 262895

E: ext.broom@rgu.ac.uk

Mary Brown

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Psychometric testing
- ▲ Personality profiling
- ▲ Training & learning
- ▲ Culture, change & individual differences in a church
- ▲ Practical psychology & organisational behaviour
 - The Human Condition

T: 01224 263825

H: 01330 823879

M: 07890 784552

E: m.brown@rgu.ac.uk or capability.brown@tiscali.co.uk

Neville Browne

Department of Human Resources

AREAS OF EXPERTISE:

- ▲ Leadership development
- ▲ Personal & team coaching
- ▲ Helping organisations to achieve effective re-alignment and change
- ▲ Helping teams to improve performance

T: 01224 262096

E: n.j.browne@rgu.ac.uk

Dr C H Bryant

School of Computing

AREA OF EXPERTISE:

- ▲ Machine learning applications of machine learning to biology

T: 01224 262747

E: c.h.bryant@rgu.ac.uk

Tony Buon

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Workplace psychology
- ▲ Alcohol & other drugs in the workplace
- ▲ Employee assistance programmes & employee counselling
- ▲ Workplace conflict
- ▲ Cultural communication
- ▲ Credentials and credentialism
- ▲ Coaching
- ▲ Australian business

T: 01224 263025

E: t.buon@rgu.ac.uk

Gordon Burnett

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Computer aided design & manufacture
- ▲ Precious & non-precious metalwork
- ▲ Commissioning process consultation for civic & commercial bodies
- ▲ Conference convening

T: 01224 263691

E: g.burnett@rgu.ac.uk

W: www.connectivityproject.com

Simon Burnett

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Knowledge management
- ▲ Intellectual capital
- ▲ Storytelling
- ▲ Organisational learning

T: 01224 263884

E: s.burnett@rgu.ac.uk

Dr Richard Butler

School of Engineering

AREAS OF EXPERTISE:

- ▲ Digital communications
- ▲ Analysis of systems
- ▲ Devising, designing, implementing & testing simulation software to analyse or model systems
- ▲ Devising, designing, implementing & testing effective user-friendly interfaces to desktop PC applications & applications on mobile devices
- ▲ Assessing, modelling and simulating the performance of telecommunications systems
- ▲ Modelling & simulating the performance of metabolic systems.

T: 01224 263335

E: r.a.butler@rgu.ac.uk

Professor Donald Cairns

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Rational design of drugs
- ▲ Drug action & use
- ▲ Interesting poisons
- ▲ Commission on human medicines

T: 01224 262530

E: d.cairns@rgu.ac.uk

Cameron Campbell

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Visual communications
- ▲ Geographic information systems
- ▲ Inter-relationship of 2/3D image
- ▲ Evening classes at Gray's School of Art
- ▲ Continuing professional development
- ▲ Maps/cartography
- ▲ European arts education
- ▲ Health & safety

T: 01224 263607

E: c.campbell@rgu.ac.uk

Dr Don Carney

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Food & beverage topics
- ▲ Scottish culture
- ▲ Doric dialect
- ▲ Cultural identity
- ▲ Grampian's heritage
- ▲ Video production based on Scottish heritage

T: 01224 263005

M: 01330 860660

E: d.carney@rgu.ac.uk

Dr Woei Ping Cheng

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Nanotechnology in drug delivery & formulations
- ▲ Drug delivery systems that enhance the therapeutic efficacy of water insoluble drugs & proteins & peptides

T: 01224 262579

E: w.p.cheng@rgu.ac.uk

Dr Sarah Christie

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Criminal law
- ▲ Medical law
- ▲ Medical ethics

T: 01224 263424

E: s.christie@rgu.ac.uk

Angus Clark

Occupational Health & Safety Department

AREAS OF EXPERTISE:

- ▲ Health & safety management
- ▲ Environmental management & auditing
- ▲ Industrial safety - manufacturing, construction, transport, offshore supply, polymer engineering

T: 01224 262086

E: a.j.clark@rgu.ac.uk

Tim Conner

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Indigenous language publishing
- ▲ Print & electronic production
- ▲ Scots language publishing
- ▲ Electronic media

T: 01224 263926

E: t.conner@rgu.ac.uk

Valerie Cooper

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Anatomy
- ▲ Vascular
- ▲ Pathology
- ▲ Women's health
- ▲ Computer assisted learning
- ▲ Hydrotherapy
- ▲ Movement

T: 01224 263280

E: v.cooper@rgu.ac.uk

Professor Susan Crow

School of Computing

AREAS OF EXPERTISE:

- ▲ Computing technologies
- ▲ Artificial intelligence
- ▲ Case-based reasoning
- ▲ Machine learning
- ▲ Data mining
- ▲ Knowledge engineering tools
- ▲ Automated knowledge management
- ▲ Decision support systems

T: 01224 262711

E: s.crow@rgu.ac.uk

Dr Stuart Cruickshank

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Smooth muscle physiology
- ▲ Hypoxia
- ▲ $[Ca^{2+}]_i$ signalling

T: 01224 262579

E: s.f.cruickshank@rgu.ac.uk

Libby Curtis

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Jewellery design
- ▲ Mixed media & fine metal fabrication
- ▲ Patination of metals
- ▲ Computer aided design for craft production
- ▲ Design studies

T: 01224 263643

E: e.curtis@rgu.ac.uk

Dr Alan Davidson

Dean of the Department for the Enhancement of Learning,
Teaching & Assessment

AREA OF EXPERTISE:

- ▲ Quality assurance & enhancement in higher education

T: 01224 263341

E: a.t.davidson@rgu.ac.uk

Gökay Deveci

The Scott Sutherland School of Architecture & Built
Environment

AREAS OF EXPERTISE:

- ▲ Sustainable & affordable housing
- ▲ Low-energy housing
- ▲ Innovative construction
- ▲ Prefabrication in housing

T: 01224 263714

M: 07971 989206

E: g.deveci@rgu.ac.uk

W: <http://www.rgu.ac.uk/sss/staff/page.cfm?pge=10993>

Dr Lesley Diack

School of Pharmacy

AREA OF EXPERTISE:

- ▲ E-learning
- ▲ Educational innovation
- ▲ Interprofessional education

T: 01224 262596

E: h.l.diack@rgu.ac.uk

Anne Douglas

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Practice led research in visual arts
- ▲ Visual arts practice in specific cultural contexts
- ▲ Critical writing on visual art practice
- ▲ Arts project evaluation
- ▲ Sculpture & drawing (including mouldable materials such as clay, plaster, concrete, wax, bronze & cast iron)
- ▲ Public art practice

T: 01224 263647

E: a.douglas@rgu.ac.uk

Kim Eason

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Fashion & accessory design with particular reference to women's wear
- ▲ Working with recycled materials; producing new treasures from old
- ▲ The art of deconstructed fashion
- ▲ Fabric manipulation, embellishment & cutting techniques

T: 01224 263622

E: k.d.eason@rgu.ac.uk

Professor Martin Edge

The Scott Sutherland School of Architecture & Built Environment

AREAS OF EXPERTISE:

- ▲ Housing
- ▲ Sustainability & social aspects of renewable energy e.g. 'smart home' technology

T: 01224 263649

H: 0131 4431817

E: m.edge@rgu.ac.uk

Gillian Fenwick

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Caring for the dying
- ▲ Cancer care
- ▲ Pain management - acute & chronic

T: 01224 262632

E: g.fenwick@rgu.ac.uk

Nicol Ferguson

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Online content development methods
- ▲ eLearning technologies & their use in rich content development
- ▲ eContent quality assurance
- ▲ Content Management Systems (CMS)
- ▲ Virtual Learning Environments (VLE)

T: 01224 262239

E: n.ferguson@rgu.ac.uk

Lesley Forsyth

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Skill mix in allied health professions
- ▲ Consultant practice in allied health professions

T: 01224 263250

E: l.forsyth@rgu.ac.uk

Dr John Gass

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Mental health nursing
- ▲ Nursing education
- ▲ Nursing & electroconvulsive therapy
- ▲ Humanities & health care

T: 01224 262645

E: j.gass@rgu.ac.uk

Barry Gault

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Learning disability
- ▲ Self-advocacy
- ▲ Person centred practice in relation to learning disability
- ▲ Race equality training
- ▲ Disability equality training

T: 01224 262687

M: 07778 796258

E: b.gault@rgu.ac.uk

Dr Susan Gibb

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Midwifery
- ▲ Postnatal care
- ▲ Service users' preferences

T: 01224 262615

E: s.gibb@rgu.ac.uk

Geoff Goolnik

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Design, development & delivery of staff development programmes
- ▲ Tutoring students following technology enhanced learning experiences
- ▲ Instructional design of technology enhanced courses & materials
- ▲ Editing of course materials for technology enhanced learning & training
- ▲ Change management strategies for the introduction of technology enhanced learning and training
- ▲ Design & development possibilities for technology enhanced learning & training

T: 01224 263348

E: g.goolnik@rgu.ac.uk

Professor Carole Gray

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Teaching & learning in art & design: pedagogic research related to experimental constructive learning & virtual learning environments.
- ▲ Research in art & design: doctoral study; supervision & examination; research methodologies & methods; alternative submissions for PhD; research policy e.g. Arts & Humanities Research Board; research assessment exercise; visual art & media
- ▲ Visual art practice: sustainable creative practices in remote/rural contexts, site specific sculpture, sculpture lighting (www.ontheedgeresearch.org)

T: 01224 263649

E: c.gray@rgu.ac.uk

Professor David Gray

Centre for Transport Policy

AREAS OF EXPERTISE:

- ▲ Rural transport policy
- ▲ Scottish transport policy
- ▲ Social capital

T: 01224 263146

E: david.gray@rgu.ac.uk

Professor Justin Greenwood

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ European Union / politics & governance
- ▲ Interest groups
- ▲ Trade associations

T: 01224 263406

E: j.greenwood@rgu.ac.uk

Dr Gunti Gunarathne

School of Engineering

AREAS OF EXPERTISE:

- ▲ Industrial & biomedical instrumentation
- ▲ Ultrasonic imaging & NDT
- ▲ High-speed analogue electronic circuit design
- ▲ Smart sensors
- ▲ Ultrasonic systems (NDT & high-power applications)
- ▲ Transducer technology & signal conditioning

T: 01224 262443

E: g.gunarathne@rgu.ac.uk

Dr Robert Halsall

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Intercultural communication
- ▲ Cultural & critical theory
- ▲ Semiotics & literary theory

T: 01224 263819

E: r.halsall@rgu.ac.uk

Elizabeth Hancock

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Clinical gait analysis
- ▲ Physiotherapy education

T: 01224 263252

E: l.hancock@rgu.ac.uk

Dr Stuart Hannabuss

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Ethics
- ▲ Information law
- ▲ Censorship
- ▲ Telecommunications
- ▲ Popular reading
- ▲ Book reviewing

T: 01224 263912

E: s.hannabuss@rgu.ac.uk

Dr Denise Hansford

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Medicines management
- ▲ Reclassified medicines
- ▲ Pharmaceutical formulation especially paediatric medicines

T: 01224 262509

E: d.hansford@rgu.ac.uk

Dr Murray Hill

Aberdeen Business School

AREA OF EXPERTISE:

- ▲ Foreign languages

T: 01224 263911

E: m.m.hill@rgu.ac.uk

Wynand Hoogerbrugge

Director of RGU: Energy Centre

AREAS OF EXPERTISE:

- ▲ General knowledge of upstream oil & gas formation, evaluation, production & geology
- ▲ Fluent in Spanish & Dutch

T: 01224 262368

E: w.hoogerbrugge@rgu.ac.uk

Steve Hothersall

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Social work issues
- ▲ Child care & protection
- ▲ Attachment theory
- ▲ Social policy
- ▲ Mental health
- ▲ Child representation in court including safeguarders appointed by sheriff in the interest of the child in related proceedings, usually involving cases of alleged or actual abuse & neglect
- ▲ Curator ad litem (appointed by the sheriff to safe guard children's interests in related matters including adoption cases & applications for parental rights & responsibilities)

T: 01224 263227

E: s.hothersall@rgu.ac.uk

Morag Howard

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Gastro-intestinal radiography
- ▲ Image interpretation/reporting
- ▲ Trauma imaging
- ▲ Minor injuries

T: 01224 263266

E: m.l.howard@rgu.ac.uk

Michelle Ibison

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Provision of support & guidance for online learners & academic staff
- ▲ Creating communities of practice amongst diverse groups

T: 01224 262242

E: m.ibison@rgu.ac.uk

Professor Ian Johnson

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Library management
- ▲ Publishing – in particular international dimensions of library management

T: 01224 263902

E: i.m.johnson@rgu.ac.uk

Andrew Jones

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ News & current affairs
- ▲ Radio - speech & music
- ▲ Factual television
- ▲ Media strategy
- ▲ The BBC
- ▲ Broadcasting history

T: 01224 263915

E: a.i.jones1@rgu.ac.uk

Genevieve Jones

The Scott Sutherland School of Architecture & Built Environment

AREAS OF EXPERTISE:

- ▲ Energy efficiency in buildings
- ▲ Ecological design
- ▲ Domestic innovative construction

T: 01224 263522

E: g.jones@rgu.ac.uk

Dr Charles Juwah

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Adult learning theory & practice
- ▲ Academic & professional development/Personal Development Planning (PDP)
- ▲ Assessment (including eAssessment)
- ▲ Curriculum development
- ▲ Teaching and learning
- ▲ eLearning
- ▲ Plagiarism
- ▲ Educational & pedagogic research
- ▲ Doctoral supervision & examination
- ▲ Mentoring
- ▲ Cultural awareness: including disability & race equality training
- ▲ Quality assurance & enhancement

T: 01224 263346

E: c.juwah@rgu.ac.uk

Colin Keenan

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Quality assurance & quality control in public sector
- ▲ The operation of children's & older people's homes
- ▲ Residential care

T: 01224 263205

E: c.keenan@rgu.ac.uk

Emma Kennedy

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Development & publication of online learning materials
- ▲ Quality assurance of online distance materials
- ▲ Content Management Systems (CMS)
- ▲ Virtual Learning Environments (VLE)

T: 01224 262259

E: e.j.kennedy@rgu.ac.uk

Dr Susan Klein

Aberdeen Centre for Trauma Research

AREAS OF EXPERTISE:

- ▲ Psychological/ psychiatric impact of trauma
- ▲ Trauma-related research methodology & design
- ▲ Disaster response
- ▲ Multimedia applications for trauma training
- ▲ Evaluation of post-trauma interventions

T: 01224 263102

E: s.klein@rgu.ac.uk

Dr Rachel Knott

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Molecular biology
- ▲ Vascular complications of diabetes

T: 01224 262524

E: r.knott@rgu.ac.uk

Dr Paul Kong

School of Life Sciences

AREA OF EXPERTISE:

- ▲ Medicinal chemistry
- ▲ Synthesis of organic molecules
- ▲ Chemistry of DNA

T: 01224 262818

E: p.kong@rgu.ac.uk

Dr Yash Kumarasamy

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Antibiotics - use, resistance & mechanisms
- ▲ Infectious diseases
- ▲ Psoriasis
- ▲ Audits & surveys including assessment of Good Clinical Practice(GCP)
- ▲ Bioassay guided drug discovery techniques – quest for novel anticancer, antibacterial & antioxidant agents
- ▲ Phytochemistry - isolation & structure elucidation
- ▲ Pharmacokinetics

T: 01224 262521

F: 01224 262555

E: y.kumarasamy@rgu.ac.uk

Dr Richard Laing

The Scott Sutherland School of Architecture & Built Environment

AREAS OF EXPERTISE:

- ▲ Visualisation in the built environment
- ▲ Environmental economics
- ▲ Greenspace
- ▲ Built heritage

T: 01224 263716

E: r.laing@rgu.ac.uk

Brian Lake

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ European integration
- ▲ Information communication technologies & their impact on democratisation
- ▲ Information technology related public policy development, primarily in European politics and the politics of the European Commission

T: 01224 262240

E: b.lake@rgu.ac.uk

Jamie Law

School of Health Sciences

AREA OF EXPERTISE:

- ▲ Artificial intelligence & robotics

T: 01224 572632

M: 0795 5047385

F: 01224 263290

E: e.j.law@rgu.ac.uk

Dr Linda Lawton

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ Water quality
- ▲ Algal blooms
- ▲ Blue-green algae & the poisons they produce
- ▲ Water purification
- ▲ Analysis of water pollutants
- ▲ Detention of trace organics
- ▲ Taint compounds in water & aquaculture

T: 01224 262823

E: l.lawton@rgu.ac.uk

Michael Lowit

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Social work issues e.g. mental health, mental illness, psychiatric care, care in the community, mental health law & social policy in Scotland & the UK
- ▲ Incapacity & mental health legislation
- ▲ Training of mental health practitioners

T: 01224 263375

E: m.mass-lowit@rgu.ac.uk

Dr John McCall

School of Computing

AREAS OF EXPERTISE:

- ▲ Genetic & evolutionary algorithms
- ▲ Probabilistic modelling
- ▲ Optimisation of cancer chemotherapy
- ▲ Tumour growth modelling
- ▲ Web-based systems

T: 01224 262780

E: j.mccall@rgu.ac.uk

Caroline MacDonald

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Clinical skills
- ▲ Simulation including medium fidelity equipment
- ▲ Perioperative nursing
- ▲ Simulated patient programme

T: 01224 262976

E: c.macdonald@rgu.ac.uk

Professor Stuart MacDonald

Head of Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Creative & cultural industries policy
- ▲ Cultural festival management
- ▲ Creative leadership
- ▲ Flexible learning in art & design education
- ▲ Design strategy

T: 01224 263601

E: s.w.macdonald@rgu.ac.uk

Dr Morag CE McFadyen

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Cancer
- ▲ Cytochrome P450 enzymes
- ▲ Novel cancer therapeutics
- ▲ Protein detection methods
- ▲ Tissue culture

T: 01224 262532

E: m.mcfadyen@rgu.ac.uk

Dr Lesley C McIntosh

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ Angiogenesis (in vitro models, diabetes, cancer)
- ▲ Immunology (macrophages & cell-mediated immunity)
- ▲ Cell migration
- ▲ Cell culture

T: 01224 262833

E: l.c.mcintosh@rgu.ac.uk

Ann McKay

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Pregnancy
- ▲ Labour & care following delivery of a baby
- ▲ Scottish framework for the delivery of maternity services
- ▲ Care of the ill baby
- ▲ Midwifery education programmes

T: 01224 262644

E: a.mckay@rgu.ac.uk

Andrew McKie

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Suicide acts
- ▲ Humanities in health care
- ▲ Mental health nursing

T: 01224 262689

E: a.mckie@rgu.ac.uk

Dr Chris MacLeod

Artificial Neural Networks Group

AREAS OF EXPERTISE:

- ▲ Mobile robotics
- ▲ Artificial Intelligence
- ▲ Analogue electronics

T: 01224 262412

E: chris.macleod@rgu.ac.uk

W: <http://www.rgu.ac.uk/eng/compint/page.cfm?pge=3822>

Dr Alasdair MacSween

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Exercise therapy in the rheumatic diseases
- ▲ Research methodology in health sciences research
- ▲ Measurement of aerobic power & functional capacity

T: 01224 263255

E: a.macsween@rgu.ac.uk

Josephine Mackenzie

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Mental health nursing
- ▲ Caring for people with Alzheimer's disease

T: 01224 262911

E: j.m.mackenzie@rgu.ac.uk

Professor Valerie Maehle

Dean of the Faculty of Health & Social Care

AREAS OF EXPERTISE:

- ▲ NHS Policy
- ▲ Allied health professions education
- ▲ Interprofessional education
- ▲ Role development
- ▲ Service redesign

T: 01224 263059

E: v.maehle@rgu.ac.uk

Martin Main

School of Nursing & Midwifery

AREA OF EXPERTISE:

- ▲ Cancer
- ▲ Cancer treatments
- ▲ Chemotherapy
- ▲ Cancer clinical trials

T: 01224 262928

E: m.main@rgu.ac.uk

Dr Julian Malins

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Studio ceramics
- ▲ Studio ceramic & kiln design
- ▲ Special atmospheres for firing ceramics
- ▲ Research methods for art & design
- ▲ Creative problem solving techniques
- ▲ Design methodology
- ▲ Virtual learning environments for experimental learning
- ▲ Advanced technologies for supporting learning in art & design
- ▲ Research supervision in art & design

T: 01224 263690

E: j.malins@rgu.ac.uk

Professor Rita Marcella

Dean of Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Citizenship & information
- ▲ The internet & politics
- ▲ User information behaviour

T: 01224 263904

E: r.c.marcella@rgu.ac.uk

Andrew Martin

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ General tourism issues
- ▲ Hotel & hospitality impacts on the economy
- ▲ Leisure management

T: 01224 263036

M: 07763 132855

E: a.martin@rgu.ac.uk

Sid Merrakech

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Video production
- ▲ Multimedia production
- ▲ Fluent in Arabic & French

T: 01224 263349

E: s.merrakech@rgu.ac.uk

Dr Sam Middlemiss

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Consultant & trainer in law
- ▲ Employment law
- ▲ Law of delict

T: 01224 263408

E: s.middlemiss@rgu.ac.uk

W: www.sammiddlemiss.com

Helen Mill

University's Research Commercialisation Manager

AREAS OF EXPERTISE:

- ▲ New product development
- ▲ Technology transfer
- ▲ New company development

T: 01224 262024

E: h.mill@rgu.ac.uk

Dr Tony Miller

School of Engineering

AREAS OF EXPERTISE:

- ▲ Management
- ▲ Philosophy of W. Edwards Deming
- ▲ Learning organisations
- ▲ Leadership & management

T: 01224 262041

E: a.j.miller@rgu.ac.uk

Yvonne Millman

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Developmental psychology
- ▲ Personality
- ▲ Translational analysis
- ▲ Counselling
- ▲ Bereavement & loss
- ▲ Emotional intelligence
- ▲ Assertiveness training

T: 01224 263231

E: y.millman@rgu.ac.uk

Francis Mitchell

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ X-ray equipment including CT
- ▲ Radiation protection & x-ray physics
- ▲ Medical information systems (RIS, PACS, Telemedicine/teleradiology)
- ▲ Fluent in Dutch & German

T: 01224 263271

E: francis.mitchell@rgu.ac.uk

Dr Andrew Morrisson

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ Analytical chemistry
- ▲ Forensic analysis
- ▲ Forensic soil evidence

T: 01224 262815

E: a.morrisson@rgu.ac.uk

Neil Munro

Scottish Institute for Residential Child Care

AREAS OF EXPERTISE:

- ▲ Residential childcare
- ▲ Groupcare

T: 01224 263214

E: n.munro@rgu.ac.uk

W: www.rgu.ac.uk/social/sircc/page.cfm?pge=2760

Dr Rob Nash

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Tourism related issues
- ▲ Tourism policy
- ▲ Qualitative research methods
- ▲ Peripheral areas

T: 01224 263064

E: r.nash@rgu.ac.uk

Dr Douglas Nisbet

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Supply chain management
- ▲ Logistics
- ▲ Project management
- ▲ Lead time management/time-based management
- ▲ Operations strategy
- ▲ Negotiation skills
- ▲ e-Learning

T: 01224 263835

E: d.nisbet@rgu.ac.uk

Alan Owen

Centre for Research in Energy & the Environment

AREAS OF EXPERTISE:

- ▲ Tidal energy, devices, structures & resource modelling
- ▲ Micro-renewables, wind, ground source heat pumps & solar thermal
- ▲ Fieldwork, data acquisition & monitoring

T: 01224 262360

E: a.owen@rgu.ac.uk

Professor M Babs Oyeneyin

School of Engineering

AREAS OF EXPERTISE:

- ▲ Oil/gas well engineering with emphasis on downhole operations & interaction with reservoir rocks
- ▲ Advanced well technology including multilateral & horizontal well technology
- ▲ Intelligent completions & intelligent systems
- ▲ Life cycle intelligent sand management
- ▲ Advanced drilling techniques including underbalanced drilling
- ▲ Operations research
- ▲ Fluids & particles dynamics including multiphase flow dynamics

T: 01224 262327

M: 07900992321

E: b.oyeneyin@rgu.ac.uk

Dr Sarah Pedersen

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Publishing
- ▲ Blogs (weblogs)
- ▲ Editing
- ▲ Academic & educational publishing
- ▲ Edwardian women
- ▲ Edwardian Aberdeen & its newspapers
- ▲ Commissioning
- ▲ Copy editing

T: 01224 263913

E: s.pedersen@rgu.ac.uk

Andrew Penman

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Development & management of online learning materials
- ▲ eContent & associated technologies
- ▲ Quality Assurance of eLearning materials
- ▲ Content Management Systems (CMS)
- ▲ Virtual Learning Environments (VLE)
- ▲ Digital & institutional repositories

T: 01224 262238

E: a.penman@rgu.ac.uk

Professor Ashly H Pinnington

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Leadership development
- ▲ Human Resource Management (HRM)
- ▲ Ethics & HRM
- ▲ Philosophy of management
- ▲ Philosophers & management
- ▲ Globalisation of law firms
- ▲ Managing lawyers

T: 01224 263021

E: a.h.pinnington@rgu.ac.uk

Ulrike Plasberg

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Language teaching, theory & practice
- ▲ German education system

T: 01224 263922

E: u.plasberg@rgu.ac.uk

Professor Pat Pollard

Centre for Research in Energy & the Environment

AREAS OF EXPERTISE:

- ▲ Environmental security/anti-fraud
- ▲ Bioanalysis & biomedical sensors application
- ▲ Sensors instrument development
- ▲ Optoelectronics, sensors & taggants/tracers/labels
- ▲ Laser-based spectroscopy analysis

T: 01224 262836

E: p.pollard@rgu.ac.uk

W: www.rgu.ac.uk/cree/general/pge.cfm?pge=10645

Laurie Power

School of Engineering

AREAS OF EXPERTISE:

- ▲ Metallurgy & materials engineering
- ▲ Materials selection
- ▲ Engineering failure analysis
- ▲ Corrosion engineering

T: 01224 262325

E: l.power@rgu.ac.uk

Professor Brian Ratcliffe

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ General nutrition
- ▲ Diet & health
- ▲ Fruit & vegetables
- ▲ Cancer prevention

T: 01224 262812

E: b.ratcliffe@rgu.ac.uk

Alan S Reid

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ European Union law
- ▲ Human rights law
- ▲ Constitutional law
- ▲ Technology law

T: 01224 263417

E: a.s.reid@rgu.ac.uk

Dr Peter H Reid

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Libraries and librarianship
- ▲ Local history
- ▲ Genealogy

T: 01224 263927

M: 07792 756171

E: p.reid@rgu.ac.uk

Raymond Reid

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Analytical techniques
- ▲ Natural products
- ▲ Chemical profiling/fingerprinting of herbal products
- ▲ High Pressure Liquid Chromatography (HPLC)
- ▲ Gas Liquid Chromatography (GLC)
- ▲ Capillary Electrophoresis (CE)
- ▲ Chromatography-mass spectrometry
- ▲ Quality of medicines

T: 01224 262518

E: r.reid@rgu.ac.uk

Dr Iain Richardson

Centre for Video Communications

AREAS OF EXPERTISE:

- ▲ Image & video communications
- ▲ Digital television technology
- ▲ Video conferencing technology
- ▲ Video streaming
- ▲ Videotelephony
- ▲ Video compression technology
- ▲ High-definition television
- ▲ MPEG
- ▲ Mobile video & television

T: 01224 262320

E: i.g.richardson@rgu.ac.uk

W: www.rgu.ac.uk/eng/cvc

Dr Jeanette Robertson

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ Medical microbiology
- ▲ Microbiological treatment of potable water

T: 01224 262353

E: j.robertson@rgu.ac.uk

Professor Peter Robertson

Centre for Research in Energy & the Environment

AREAS OF EXPERTISE:

- ▲ Water quality & management
- ▲ Environmental engineering
- ▲ Environmental management
- ▲ Environmental sensing
- ▲ Advanced air & water treatment

T: 01224 263750

E: peter.robertson@rgu.ac.uk

Wendy Shepherd

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Physiotherapy in the management of pain
- ▲ Members of the carers research partnership steering group

T: 01224 263283

E: w.j.shepherd@rgu.ac.uk

Toni Simpson

Department for the Enhancement of Learning, Teaching & Assessment

AREAS OF EXPERTISE:

- ▲ Computer assisted learning
- ▲ Computer aided assessment
- ▲ Communication & technology teaching & learning

T: 01224 263344

E: t.simpson@rgu.ac.uk

Dr Peter Smart

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Comparative/international human resource management
- ▲ Aviation issues from the customer perspective

T: 01224 263849

E: p.smart@rgu.ac.uk

Dr Fiona Smith

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Print, broadcast & online journalism
- ▲ Global mass communication
- ▲ Mediated nostalgia
- ▲ Theoretical perspectives in mass communication

T: 01224 263984

E: f.c.b.smith@rgu.ac.uk

Leonard Smith

Gray's School of Art

AREAS OF EXPERTISE:

- ▲ Contemporary jewellery design & manufacture
- ▲ Precious metals fabrication
- ▲ Anodising
- ▲ Patination of metals
- ▲ Photoetching
- ▲ Design methods relative to craft, product design
- ▲ CAD Models - rapid prototyping

T: 01224 263616

E: l.smith@rgu.ac.uk

Professor Paul Spicker

Centre for Public Policy & Management

AREAS OF EXPERTISE:

- ▲ The welfare state
- ▲ Poverty
- ▲ Social exclusion
- ▲ Public policy
- ▲ Social security policy
- ▲ Public housing
- ▲ Social care

T: 01224 263120

E: p.spicker@rgu.ac.uk

Graeme Stephen

Aberdeen Business School

AREA OF EXPERTISE:

- ▲ Organisational marketing

T: 01224 263840

E: g.stephen@rgu.ac.uk

Arthur Stewart

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Body composition
- ▲ Anthropometry, techniques in body surface measuring
- ▲ Health & exercise

T: 01224 263258

E: a.d.stewart@rgu.ac.uk

Dr Derek Stewart

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Non-medical prescribing
- ▲ Pharmacovigilance
- ▲ Reclassified medicines & self care
- ▲ Public health

T: 01224 262432

E: d.stewart@rgu.ac.uk

David Stokes

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ eLearning
- ▲ Computer assisted learning
- ▲ Content authoring
- ▲ Interactive online learning
- ▲ Web conferencing technologies
- ▲ Audio recording & editing

T: 01224 262931

E: d.j.stokes@rgu.ac.uk

Dr Peter A Strachan

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Energy policy & the environment
- ▲ UK and European wind power deployment

T: 01224 263426

E: p.a.strachan@rgu.ac.uk

Alison Stuart

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ International human rights law
- ▲ Employment law
- ▲ Equality & discrimination law

T: 01224 263423

M: 0777 927 9583

E: a.stuart@rgu.ac.uk

Dr Philip W Sutton

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Environmental issues & environmental politics
- ▲ Social movements & non-governmental groups
- ▲ History of Islam & Islamic movements
- ▲ Social, cultural & intellectual trends

T: 01224 263210

E: p.sutton@rgu.ac.uk

Professor Dennis Tourish

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Organisational communication
- ▲ Influence & persuasion
- ▲ Group dynamics
- ▲ Cults – religious/psychological/political

T: 01224 263914

E: d.j.tourish@rgu.ac.uk

Leanne Townsend

The Scott Sutherland School of Architecture & Built Environment

AREA OF EXPERTISE:

- ▲ Identity processes in the home environment

T: 01224 263536

E: l.c.townsend@rgu.ac.uk

Andrew Turnbull

Aberdeen Business School

AREAS OF EXPERTISE:

- ▲ Retail
- ▲ Food retail
- ▲ Media

T: 01224 263816

M: 07599 324026

E: a.turnbull@rgu.ac.uk

Dr Jon Tyler

School of Computing

AREAS OF EXPERTISE:

- ▲ Distributed computing
- ▲ Real time systems
- ▲ Expert witness in computing
- ▲ Computer networks
- ▲ Environmental impact assessment
- ▲ Heritage railway infrastructure
- ▲ Heritage railway management
- ▲ Transport infrastructure

T: 01224 262709

E: jet@comp.rgu.ac.uk

Dr Stephen Vertigans

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Resurgent Islam
- ▲ Terrorism
- ▲ The Middle East

T: 01224 263229

E: s.vertigans@rgu.ac.uk

Dr Helen Vosper

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Macrophage biology & pathology
- ▲ Atherosclerosis
- ▲ Metabolism of fatty acids
- ▲ Lipid signalling

T: 01224 262503

E: h.vosper@rgu.ac.uk

Professor Klaus Wahle

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ Human nutrition & health
- ▲ Nutrition & the role of fatty acids/redox systems/trace metals in human health (cancer, CJD, mental health)
- ▲ Nutrient-gene interactions & cell signalling in health
- ▲ Immuno-nutrition in the prevention, treatment and care of cancer & inflammatory diseases

T: 01224 262869

E: k.wahle@rgu.ac.uk

Professor Cherry Wainwright

School of Pharmacy

AREAS OF EXPERTISE:

- ▲ Pharmacology
- ▲ Pathophysiology of vascular disease
- ▲ Pathophysiology of myocardial infarction
- ▲ Cardiovascular drug discovery

T: 01224 262450

E: c.wainwright@rgu.ac.uk

Stuart Watt

School of Computing

AREAS OF EXPERTISE:

- ▲ Cognitive science
- ▲ Email information management
- ▲ Computing to enhance learning
- ▲ Human interface design

T: 01224 262723

E: s.n.k.watt@rgu.ac.uk

June Wells

School of Applied Social Studies

AREAS OF EXPERTISE:

- ▲ Bereavement counselling
- ▲ Cognitive behavioural therapy

T: 01224 263217

E: j.wells@rgu.ac.uk

Dr Bernice J M West

School of Nursing & Midwifery

AREAS OF EXPERTISE:

- ▲ Evaluation of health care services
- ▲ Role development in the health care sector
- ▲ Practice development in the health care sector
- ▲ The education of health care professionals
- ▲ Doctoral level education & support of students across higher education
- ▲ International students
- ▲ Health care in Thailand
- ▲ Health care in India

T: 01224 262647

E: b.west@rgu.ac.uk

Dr Theresa Wilson

School of Life Sciences

AREAS OF EXPERTISE:

- ▲ DNA profiling
- ▲ Identity testing
- ▲ Relationship testing
- ▲ DNA recovery
- ▲ DNA analysis

T: 01224 262884

E: t.wilson@rgu.ac.uk

Dr Alan Wise

School of Life Sciences

AREA OF EXPERTISE:

- ▲ Nutritional computer programming

T: 01224 262856

E: alan.wise@rgu.ac.uk

W: www.windiets.co.uk

Grahame D Wright

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Health promotion
- ▲ Health improvement
- ▲ Health promotion planning & evaluation

T: 01224 263278

E: g.wright@rgu.ac.uk

Karen Young

School of Health Sciences

AREAS OF EXPERTISE:

- ▲ Golf physiotherapy
- ▲ Movement dysfunction
- ▲ Neuromusculoskeletal physiotherapy
- ▲ Sports injuries
- ▲ Golf profiling, injury prevention & performance enhancement

T: 01224 263279

E: k.young@rgu.ac.uk

Dr Maureen Young

The Scott Sutherland School of Architecture & Built Environment

AREAS OF EXPERTISE:

- ▲ Built heritage conservation
- ▲ Building stone (granite, sandstone)
- ▲ Stone cleaning
- ▲ Stone decay
- ▲ Treatments to prevent biological growths on stone
- ▲ Damp problems in buildings
- ▲ Mortars for pointing stone buildings
- ▲ Chemical water repellents & consolidants for stone

T: 01224 263710

E: m.young@rgu.ac.uk

W: <http://www.rgu.ac.uk/sss/research/page.cfm?pge=33325>

3

RGU CENTRES OF EXCELLENCE
listed alphabetically

Aberdeen Centre for Trauma Research (ACTR)

Mr Terry Waite, CBE, formally opened the Centre on 17 May, 2000, following its joint establishment by the former Grampian Primary Care NHS Trust and the University of Aberdeen on the Royal Cornhill Hospital site. In April 2006, the Centre moved to the Faculty of Health and Social Care at The Robert Gordon University. Since its inception, the ACTR has become recognised nationally and internationally as a centre of excellence through its clinical practice, research, consultancy, and teaching in the field of trauma by a number of authorities including the Royal College of Psychiatrists. Recently, the ACTR was instrumental in launching the Sudden Trauma Information Service Helpline (STISH), a unique service in the UK established to provide a confidential source of information and advice for adult survivors of all kinds of sudden trauma, their families, and for professional and voluntary personnel who provide help after trauma: www.stish.org

Contact: **Professor David A Alexander**

T: 01224 263100

E: d.a.alexander@rgu.ac.uk

W: <http://www.rgu.ac.uk/actr/general/page.cfm?pge=37323>

Advanced Materials and Biomaterials Research Centre

An internationally recognised research centre based in the School of Engineering, staff have established credentials in the fields of materials, surface science, biomaterials, nanoscale science and carbon science. The centre has a range of facilities in line with those of the very best UK universities.

The Centre's work falls into three main areas:

- ▲ Adsorption & porosity studies
- ▲ Surface science
- ▲ Biomaterials

Contact: **Professor Robert Bradley**

T: 01224 262822

F: 01224 262837

E: r.bradley@rgu.ac.uk

W: <http://www.rgu.ac.uk/eng/ambrc/page.cfm?pge=12549>

Artificial Neural Networks Group

The Artificial Neural Networks Group undertakes research on models of advanced neural networks and their application. The group's current interests are Evolutionary Neural Networks, Control Systems for Animal-like Robots and Neural Unit Functionality.

Contact: **Dr Chris MacLeod**

T: 01224 262412

E: chris.macleod@rgu.ac.uk

W: <http://www.rgu.ac.uk/eng/compint/page.cfm?pge=3822>

Building Research & Practice Group

The Building Research & Practice Group provides specialist consultancy services on:

- ▲ Low energy housing design
- ▲ Airtightness
- ▲ Breathing walls / dynamic insulation
- ▲ Built environment monitoring
- ▲ Ecological design
- ▲ Post occupancy evaluation

Contact: **Gökay Deveci**

T: 01224 26 3714

M: 07971 989206

E: g.deveci@rgu.ac.uk

W: www.rgu.ac.uk/sss/staff/page.cfm?page=10993

Case-Based Reasoning Group

Case-Based Reasoning (CBR) is a popular problem-solving methodology. New problems are solved by remembering similar problems in the past and re-using the solutions that were used. Effective CBR systems need good sources of knowledge. Our CBR research develops knowledge acquisition, refinement and maintenance tools that help to deliver CBR solutions for a range of domain; e.g. decision support systems for healthcare, drug development, space satellites. One aspect of the research is to discover knowledge for classification, clustering, retrieval and reuse of textual data. This is increasingly important as large textual collections become available; e.g. WWW, email and electronic domain-specific reports.

Contact: **Professor Susan Crow**

T: 01224 262711

E: S.Crow@comp.rgu.ac.uk

W: www.comp.rgu.ac.uk/docs/kbs/cbr.html

Centre for International Labour Market Skills (CILMS)

The Centre undertakes research and consultancy in the areas of education, training, skills, labour market policy and employment at local, national and international levels. The Centre has close working contacts with employers from all sectors, government departments, agencies, professional bodies, employee associations, and research foundations. CILMS is the only specialist labour market facility located outwith the Central Belt and is thus perfectly placed to exploit the research needs of Northern Scotland. However, given the current need for research consultancy the Centre is appropriately placed to service local councils and economic development agencies across the UK.

Contact: **David Gibbons-Wood**

T: 01224 263104

E: d.gibbons-wood@rgu.ac.uk

W: <http://www2.rgu.ac.uk/subj/mes/cee/Main/newmain.htm>

Centre for Knowledge Management

The Centre for Knowledge Management based in the Aberdeen Business School was launched in response to the growing importance and development of the knowledge economy. The Centre delivers research, consultancy, teaching and training to clients from the public and private sector, ranging from SMEs to multi-national corporations. The areas of work offered include: knowledge mapping and auditing, intellectual capital valuation, performance measurement, knowledge transfer processes and systems, organisational networks, the knowledge society and economy, the role of IT in knowledge management and learning organisations.

Contact: **Simon Burnett**

T: 01224 263884

E: s.burnett@rgu.ac.uk

W: <http://www2.rgu.ac.uk/ckm/>

Centre for Obesity Research and Epidemiology (CORE)

The Centre is a Scottish collaborative venture, headed by RGU, and it is composed of a multidisciplinary consortium of Scottish obesity researchers and others with skills to enable complex community interventions addressing the societal and environmental determinants of obesity. The central goal of CORE is to create a research infrastructure comprising the leading individuals in Scotland researching obesity, supported by international quality facilities.

Contact: **Dr Daniel Ozanne**

T: 01224 262871

E: d.m.ozanne@rgu.ac.uk

W: <http://www.rgu.ac.uk/life/research/page.cfm?pge=28427>

Centre for Public Policy and Management (CPPM)

The Centre conducts research and consultancy in Scottish and European public policy and works closely with a number of local authorities, the Scottish Parliament, public and voluntary agencies and the Scottish Executive. The Centre's recent work includes research on poverty, homelessness, social inclusion and social policy. The CPPM has undertaken a series of studies and reviews of issues such as local government reform, licensing law, money advice provision, housing allocation and immigration.

Contact: **Professor Paul Spicker**

T: 01224 263120

E: p.spicker@rgu.ac.uk

W: <http://www2.rgu.ac.uk/publicpolicy/cppm/>

Centre for Research in Energy and the Environment

CRE+E is a multidisciplinary research centre delivering expertise in: renewable energy; advanced water and air treatment technology; environmental catalysis and the development of in-situ sensors and taggants/labels for detecting a range of environmental and biological species. No other group in the UK has such diverse capability with teams of physicists, engineers, environmental scientists; chemists, biologists and biochemists.

Contact: **Professor Pat Pollard**

T: 01224 262836

E: p.pollard@rgu.ac.uk

W: <http://www.rgu.ac.uk/cree/general/page.cfm?pge=10645>

Centre for Transport Policy

The Centre for Transport Policy aims to analyse transport problems, recommend solutions and improve the understanding of transport among students, decision makers and the general public. Focusing on applied research, the Centre works alongside the transport industry to gain a greater understanding of transport problems and advise key actors on the future direction of transport policy.

Contact: **Professor David Gray**

T: 01224 263146

E: david.gray@rgu.ac.uk

W: <http://www.rgu.ac.uk/abs/centres/page.cfm?pge=5911>

Centre for Video Communication

The Centre for Video Communication is involved in research and development work covering the technology of imaging and communication. They are active in the following areas:

- ▲ Image and video compression (coding)
- ▲ Compression standards (H.263, MPEG1/2/4, H.264)
- ▲ Low-complexity video coding
- ▲ Applied visual communications (including video compression for deaf users)
- ▲ Transport of compressed multimedia data across networks
- ▲ Consultancy and research in areas including video compression, software and hardware architectures and high-performance digital communications.

Contact: **Dr Iain Richardson**

T: 01224 262320 / 01224 262400

E: i.g.richardson@rgu.ac.uk

W: www.rgu.ac.uk/eng/cvc/

Charles P Skene Centre for Entrepreneurship

The mission of the Charles P Skene Centre for Entrepreneurship is academic excellence in both teaching and research in entrepreneurship. It researches, promotes enterprise and makes a major contribution to teaching and understanding enterprise. The Centre has excellent contacts with the local business community and local and national entrepreneurs. Members of the Centre publish in leading academic journals and have considerable expertise in many aspects of entrepreneurship.

Contact: **Professor Alistair R Anderson**

T: 01224 263883

E: a.r.anderson@rgu.ac.uk

W: <http://www.rgu.ac.uk/abs/centres/page.cfm?page=5256>

Clinical Obesity Research Centre

The Centre is housed in the School of Life Sciences but operates across the Faculty of Health and Social Care. The Centre aims to bring together existing and complementary strengths. It will focus on providing an infrastructure for research with a primary care clinical and socio-economic focus. Research work at the Centre functions from the molecular level through to population health and health economics on the nation. Metabolic syndrome, although affecting overweight but non-obese subjects, is also part of the Centre's research focus. Currently the Centre is taking the lead in developing a National Centre (CORE).

Contact: **Professor Iain Broom**

T: 01224 262985

E: ext.broom@rgu.ac.uk

Computational Intelligence Group

The Computational Intelligence Group carry out research with a primary focus in three related areas: genetic algorithms; symbolic machine learning and neural networks.

The aims of the group are:

- ▲ To apply intelligent algorithms to solve learning and/or optimisation problems
- ▲ To develop improved or novel intelligent algorithms
- ▲ To contribute to the theoretical understanding of computational intelligence

The work of the group involves a variety of approaches to problems falling under the general category of learning and optimisation. Our research has found application in several areas including: medical informatics; bioinformatics; intelligent agents; personalisation; process modelling and pattern recognition.

Contact: **John McCall**

T: 01224 262780

E: j.mccall@rgu.ac.uk

W: <http://www.comp.rgu.ac.uk/docs/cig/>

Department for the Enhancement of Learning, Teaching and Assessment (DELTA)

DELTA's mission is to promote the enhancement of learning, teaching and assessment by providing development support in academic practice and educational technology to staff in faculties and schools.

DELTA's approach is:

- ▲ student-focused - recognising that our activities are ultimately directed at promoting an effective learning experience for RGU students;
- ▲ client-centred - our direct clients are staff in faculties and schools;
- ▲ enhancement-oriented - working with staff to make the student learning experience better;
- ▲ efficient - seeking to make best use of resources within the department, and to help staff in faculties and schools use their time and resources effectively.

Contact: **Dr Alan Davidson**

T: 01224 263341

E: a.t.davidson@rgu.ac.uk

W: <http://www.rgu.ac.uk>

Health Services Research Group

The Health Services Research Group was setup in 1996 and is multidisciplinary comprising clinicians, health and social scientists and those employed in social care. Staff work together to promote knowledge transfer, and develop new methods of investigation.

The main remit of the Group is:

- ▲ To carry out research relevant to health and health care needs in the twenty-first century;
- ▲ To work with patients, carers and user groups;
- ▲ To collaborate with health professionals/care workers in identifying research needs and investigating priority areas;
- ▲ To contribute to the development of the research strategies of professional associations, NHS trusts, departments in local authorities and voluntary organisation;
- ▲ To disseminate research findings to achieve best possible professional practice and help to establish evidence-based practice;
- ▲ To provide for the education and training of clinical staff regarding research;

To this end the main research themes of the Group are: user involvement; information needs/user education; multi-disciplinary and interagency working; carers and respite care.

Contact: **Professor Rosemary Chesson**

T: 01224 263040

E: r.chesson@rgu.ac.uk

W: <http://www.rgu.ac.uk/hsrg/general/page.cfm?pge=3975>

Industrial and Biomedical Instrumentation Research Group

The Group is involved with developing novel instrumentation systems and techniques for industrial and biomedical applications. It is mostly concerned with non-destructive testing and evaluation, particularly for offshore engineering applications. Current research includes the development of ultrasonic techniques for detection and dissolution enhancement of scale deposits in petroleum pipelines. For the biomedical area, the Group is working on cardiovascular instrumentation and also high speed ultrasonic imaging and vision testing systems. The Group is also active in Occupational and Environmental Medicine, working in collaboration with Aberdeen Royal Infirmary and a consortium of researchers.

Contact: **Dr G P P Gunarathne**

T: 01224 262443

E: g.gunarathne@rgu.ac.uk

W: <http://www.rgu.ac.uk/eng/research/page.cfm?pge=3662>

Information Retrieval Research Group

Information Retrieval (IR) is the study of systems for representing, organising and retrieving information based on content. The Group focuses on devising new approaches to designing and building usable and effective IR systems. The Group is active in the following areas: interactive search environments; structuring and searching the World Wide Web; information mining; and software architectures for constructing IR systems and tools.

Contact: **Dr Stuart Watt**

T: 01224 262723

E: S.N.K.Watt@rgu.ac.uk

W: <http://www.comp.rgu.ac.uk/docs/ir/>

Knowledge Based Systems Group

The Knowledge Based Systems Group conducts research on knowledge modelling and acquisition, and how these can be used to build more effective knowledge based systems with practical applications. The Group has three main strengths: constraint programming; case-based reasoning and practical knowledge-based systems. Among the projects in this Group, advanced knowledge engineering tools have been developed for building and maintaining knowledge-based systems and these have been applied to decision support tools in several domains, such as Pharmacy and Engineering.

Contact: **Professor Susan Crow**

T: 01224 262711

W: <http://jabber.comp.rgu.ac.uk/research/group.php?id=KBS>

Masonry Conservation Research Group

Established in 1989, the Masonry Conservation Research Group is a multidisciplinary team with an international reputation in the field of masonry conservation. Research conducted by the MCRG includes the effects of stone cleaning on sandstone and granite buildings, aesthetics of building cleaning, decay of building stones, consolidant and water repellent treatments and treatments for controlling biological growths. The MCRG also undertakes consultancy in the fields of building stone conservation and stone cleaning. In addition to research publications in journals and conference proceedings, the results of MCRG research are widely published in formats that aim to benefit professionals and practitioners in the built environment.

Contact: **Dr Maureen Young**

T: 01224 263710

E: m.young@rgu.ac.uk

W: <http://www.rgu.ac.uk/sss/research/page.cfm?pge=33325>

Robotics Group

The Robotics Group undertakes research on mobile robots and telerobotics, with a particular emphasis on intelligent instrumentation and control, and image processing. Resources include a Kraft Telerobotics “Grips” manipulator, a K-team “Koala” mobile robot, an underwater test tank, and several small ROV platforms used for the development of control algorithms and instrumentation.

Contact: **Graeme Dunbar**

T: 01224 262415

E: g.r.a.dunbar@rgu.ac.uk

W: <http://www.rgu.ac.uk/eng/robotics/page.cfm?pge=3471>

RGU: Energy Centre

The RGU: Energy Centre aims to provide industry with a focal point for the development of all accredited learning material related to the oil and gas, and renewable industries. The main objective of the Energy Centre is to build on RGU’s reputation for producing graduates who are able to make an early impact on the performance of their companies. The Centre works with businesses in the energy sector to develop learning materials that will attract increased numbers of graduate and industry students to the University. Initially focusing on the oil and gas industry, the Centre hopes to expand to include renewable energy in the near future.

Contact: **Wynand Hoogerbrugge**

T: 01224 262368

E: w.hoogerbrugge@rgu.ac.uk

W: <http://www.rgu.ac.uk/energy/home/>

Scottish Centre of Tourism (SCoT)

SCoT is an applied centre of excellence which undertakes consultancy, research, tourism development education, human resource development and provides impartial expertise and comment on tourism issues of regional, national and international importance. Areas of activity have thus far included skills gap analysis, encouraging entrepreneurship within the industry, providing bespoke management development and flexible short-course programmes both online and face-to-face.

Contact: **Andrew Martin**

T: 01226 263036

E: a.martin@rgu.ac.uk

W: <http://www.rgu.ac.uk/abs/centres/page.cfm?pge=5611>

Scottish Institute for Residential Child Care

The Scottish Institute for Residential Child Care is a partnership of RGU, the University of Strathclyde, Save the Children, Who Cares? Scotland and Langside College. It aims to ensure that residential child care staff throughout Scotland have access to the skills and knowledge they require to meet the needs of the children and young people in their care. This is achieved by offering a range of services including professional, vocational and short course education, advice and consultancy services, research, publications, conferences and by involving young people in the direction and decision-making of the Institute.

Contact: **Neil Munro**

T: 01224 263214

E: n.munro@rgu.ac.uk

W: <http://www.rgu.ac.uk/social/sircc/page.cfm?pge=2760>

Smart Web Technologies Centre

The Centre brings together researchers, the computing industry and targeted sectors to collaborate on technically challenging projects with the aim of making internet products 'smart'. Most web applications do not fully exploit intelligent computing technologies. However, users increasingly demand tailored and personalised information services, while information providers want to automate complex decision-making processes.

Contact: **Professor Susan Crow**

T: 01224 262711

E: s.craw@rgu.ac.uk

W: <http://www.comp.rgu.ac.uk/ext/smartweb/>