

Informatikos didaktika pasaulyje

Latvija, Estija, Suomija, Švedija, Norvegija, Danija, Jungtinė Karalystė, Airija, Australija

Dovilė Stumbrienė

2015 04 13

Terminai

- Informatikos didaktikos tyrimai (*computer science education research*) – CSER
- Informatikos inžinerijos didaktikos tyrimai (*computer science engineernig education research*) – CSEER

Latvija

Andris KANGRO

Main interests: Computer Science (information and communication technologies and education innovations)

Recent/Representative Publication: A.Kangro. Evaluation of educational system of Latvia within international comparative studies in the period from 1991 till 2001. - In: *ATEE Conference: Changing Education in a Changing Society*, 3-5 May, 2002, Riga, pp. 21-34.

[University of Latvia](#)

[Institute of Educational Research](#)

Bruno MARTUZANS

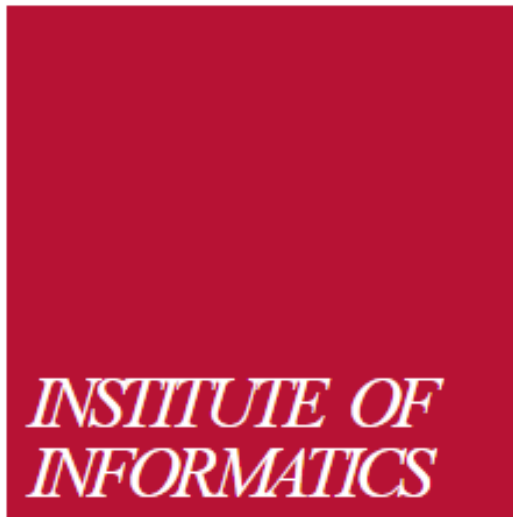
Main interests: Computer Science (internet Applications in Education)

Recent/Representative Publication: B.Martuzans, Yu. Skryl, A.Terentyev. Derivation of hyperbolic transfer functions from first principles. *Latvian Journal of Physics and Technical Sciences*, 2005, N 1, pp. 23-32.

[University of Latvia](#)

[Institute of Mathematics and Computer Science](#)

Estija – Tallinn University



HOME - INSTITUTE OF INFORMATICS - ABOUT THE INSTITUTE - CENTRE FOR EDUCATIONAL TECHNOLOGY

Centre for Educational Technology

Centre for Educational Technology was established in 1996 within the Tallinn University Faculty of Educational Sciences, in order to coordinate educational technology research, development and training activities on both the faculty as well as the university level. The Centre was set up in particular to the Faculty of Educational Sciences, in order to stress the priority of the first compound of a novel word "educational technology" over the latter.

In 2006 the Centre was relocated under the Department of Computer Science. From there on greater emphasis was on research and development activities.

About the Institute

[Research Team](#) | [Research and Development Activities](#)

Research and development activities of the Institute of Informatics are coordinated by the [Centre for Educational Technology](#) (CET). The Centre for Educational Technology is the primary developer of educational software in Estonia.

Estija – Tallinn University

Komanda:

<http://htk.tlu.ee/new/people/>

Tyrimų sritis:

<http://htk.tlu.ee/new/research-and-development/areas-of-interest>

Publikacijos:

<http://htk.tlu.ee/new/research-and-development/publications/>

Projektai:

<http://htk.tlu.ee/new/research-and-development/projects/>

Suomija

- Aalto University
- University of Eastern Finland
- University of Turku
- Tampere University of Technology

Suomija – Aalto University



*Department of Computer
Science and Engineering*

Aalto.fi / School of Science / Department of Computer Science and Engineering / Research / Learning + Technology (LeTech)

Research

Department of Computer
Science and Engineering

> News & events	+
> About	
> Research	-
> Publications	+
> Professors	

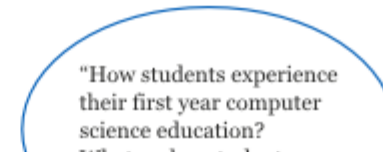
Learning + Technology Group

The **Learning + Technology Group** (or just **LeTech** for short) focuses on computing education, educational technology and software visualization. We adopt a research perspective on learning and teaching that allows us to improve education through better educational technologies and teaching methods.

Please use the menu on the left to find the theme that you're interested in. If you're looking for publications by LeTech, please see our page on [Google Scholar](#).



**Lauri
Malmi**



Suomija – Aalto University

Komanda:

http://cse.aalto.fi/en/research/learning_technology/letech_people/

Tyrimų sritis:

http://cse.aalto.fi/en/research/learning_technology/research/

Publikacijos:

http://cse.aalto.fi/en/research/learning_technology/publications/

Projektai:

http://cse.aalto.fi/en/research/learning_technology/projects/

Suomija – University of Eastern Finland



edTech^Δ - Transforming
Strengths into Realities

People

Partners

Projects

Products

Publications

[Photo Gallery](#) | [Live Broadcast](#) | [Contact Us](#) | [Shortcuts](#)

www.uef.fi/edTechΔ



EdTech grupè, prof. Erkki Sutinen

Suomija – University of Eastern Finland

Komanda:

<http://www2.uef.fi/en/edtech/people>

Publikacijos:

<http://www2.uef.fi/en/edtech/publications>

Projektai:

<http://www2.uef.fi/en/edtech/projects>

Suomija – University of Turku

IT@ÅA

Research


Programmes


People

Projects

Publications

Learning and Reasoning Laboratory LaRIlab

 About

 People

 Projects

 Publications

The Learning and Reasoning Laboratory is part of Turku Centre for Computer Science (TUCS), and has members from both Åbo Akademi and the University of Turku. The general goals of the research that Åbo Akademi researchers are involved in are to improve methods for reasoning in mathematics and program development, and to improve teaching of such methods in schools and at universities.

Suomija – University of Turku

Tyrimų sritis:

<https://research.it.abo.fi/research/LaRlab>

Publikacijos:

<https://research.it.abo.fi/research/LaRlab/publications>

Projektai:

<https://research.it.abo.fi/research/LaRlab/projects>

Suomija – Tampere University of Technology



The Edge group – Development Group for Programming Education. The Edge group is located in Institute of Software Systems (ISS) at Tampere University of Technology.

- The Edge group is not a project, but a set of people that are interested **in developing their own teaching**. Hence, the "products" of the group are quite versatile, since many systems used to be implemented to solve a single, acute problem. Often the same problem was solved again and again.
- So, it seemed to be nice to share the tools that have already been done. However, the tools do not solve everything. You have to know how to best utilize them, and the first solutions are seldom optimal neither technically or pedagogically. This lead to the idea of forming group that is specialized in programming education.
- Komanda, tyrimų sritis, publikacijos: <http://www.cs.tut.fi/~edge/>

Švedija

- Uppsala Universitet
- Umeå University

Švedija – Uppsala Universitet



UPPSALA
UNIVERSITET

Department of Information Technology

[Start](#)

[Education](#)

[Research](#)

[Doctoral education](#)

[About the department](#)

[Contact](#)

[Internal](#)

Research Groups

[UpCERG](#)

[Home](#)

[People](#)

[Publications](#)

[Projects](#)



Uppsala Computing Education Research Group

UpCERG conducts research in Computing and Engineering Education, with a focus on student development. UpCERG research areas include Globalisation and Culture, Student Conceptor Skills, and Technology Supported Education.

Our research is driven by a desire to contribute to the body of Scholarship of Learning and explore and develop undergraduate and graduate education in computing, and related fields are chosen with a view to their potential impact on computing and engineering education.

Švedija – Uppsala Universitet

Komanda:

http://www.it.uu.se/research/group/upcerg_new/members

Tyrimų sritis:

http://www.it.uu.se/research/group/upcerg_new

Publikacijos:

http://www.it.uu.se/research/group/upcerg_new/publications

Projektai:

http://www.it.uu.se/research/group/upcerg_new/projects

Švedija – Umeå University



Umeå University

Search web, education,

Prospective Students

Research

Living in Umeå

About Umeå University

Department of Science and Mathematics Education / Research

Department of Science and Mathematics Education

The research at the department is mainly within the framework of two interdepartment and interfaculty networks; [Umeå Mathematics Education Research Centre \(UMERC\)](#) and [Umeå University Science Education Research \(UMSER\)](#).

Tyrimai: <http://www.nmd.umu.se/english/research/Our+researchers+/>

Publikacijos: <http://www.nmd.umu.se/english/research/publications/>

Norvegija – Norwegian University of Science and Technology



Studies ▾

Living in Trondheim ▾

Research ▾

About NTNU ▾

Contact us



› Department of Computer and Information Science

Home - IDI

Studies

Department of Computer and Information Science
– at the Faculty of Information Technology, Mathematics and Electrical Engineering

[Roberta Proto](#), [Michail N. Giannakos](#), [Letizia Jaccheri](#)

[Department of Computer and Information Science](#)

Giannakos, Michail; Jaccheri, Maria Letizia; Proto, Roberta. (2013) Teaching Computer Science to Young Children through Creativity: Lessons Learned from the Case of Norway. *Proceedings of the 3rd Computer Science Education Research Conference on Computer Science Education Research (CSERC '13)*.

Danija – Aarhus University

DEPARTMENT OF EDUCATION

Danish

- » About the department
- » Research
 - » Research areas
 - » Institutions of Childhood and Youth
 - » School Research Programme
 - » Danish Clearinghouse for Educational Research
 - » Diversity, Culture and Change
 - » EPOKE
 - » Research Program on Subject-related Education
 - » **Future Technology, Culture and Learning**
 - » Contact
 - » News archive
 - » Research Themes

You are here: [AU](#) » [About Aarhus University](#) » [Department of Education \(DPU\)](#) » [Research](#) » [Research areas](#) » **Future Technology, Culture and Learning**

FUTURE TECHNOLOGY, CULTURE AND LEARNING



Danija – Aarhus University



TECHNUCATION

TECHNOLOGICAL LITERACY AND NEW EMPLOYEE DRIVEN INNOVATION THROUGH EDUCATION

[About the project](#) [Laboratories](#) [Concepts](#) [Papers and presentations](#) [Contact](#)



TECHNUCATION (**TecU**) - Technological Literacy and New Employee Driven Innovation through Education is a four year research project funded by the Danish Council for Strategic Research. Led by Cathrine Hasse from the Danish School of Education, Aarhus University, **TecU** is a collaboration between the Danish School of Education, The Danish Technological Institute, UCC and the Metropolitan University College. Supported through the participation of some notable international educational researchers **TecU** is driven through a combination of ethnographic field studies and experimental 'Living Labs'.

Jungtinė Karalystė

- University of Kent
- University of Glasgow
- Aston University

UK – University of Kent



[Contact](#) | [Maps](#) | [Departments](#)

1965-2015 The UK's European university

[Quick links](#) | [Information for me](#)

[About](#) | [Research](#) | [Courses](#) | [Locations](#) | [International](#) | [Business](#) | [News](#) | [Alumni](#) | [Giving](#)

Search site...

SCHOOL OF COMPUTING



[School of Computing home](#)

[› University of Kent](#) [› School of Computing](#)

[+](#) [SHARE](#) [f](#) [t](#) [e](#) ...

[Undergraduate courses](#) ▶

[Master's courses](#) ▶

[Research](#)

Computing Education Group

JK – University of Kent

Komanda:

<http://www.cs.kent.ac.uk/research/groups/compedu/people.html>

Tyrimų sritis:

<http://www.cs.kent.ac.uk/research/groups/compedu/resinterests.html>

Publikacijos:

<https://kar.kent.ac.uk/view/divisions/12200=2F3.html>

JK – University of Glasgow



The screenshot shows the University of Glasgow website. At the top left is the University of Glasgow logo. To the right are links for 'Subjects A-Z', 'Staff A-Z', and 'Academic units A-Z'. Below these is a search bar with the text 'Search site' and a 'Search' button. A breadcrumb trail reads: 'Home > Schools > School of Education > ... > Interdisciplinary Learning Education Technology and Society >'. Below the breadcrumb is a dark blue header for 'School of Education'. On the left side of this header is a dropdown menu with 'Undergraduate degree programmes' selected and 'Postgraduate taught' visible below it. The main content area features the title 'Interdisciplinary Learning Education Technology and Society (ILETS)' in a large, blue font.

We are a team of interdisciplinary researchers and teachers from a variety of backgrounds. We research where Learning, Technologies and Education converge, seeking to investigate emerging issues that permeate our political, personal, social and professional lives.

JK – University of Glasgow

Komanda:

<http://www.gla.ac.uk/schools/education/research/researchgroups/interdisciplinaryscienceeducationtechnologiesandle/people/>

Publikacijos:

<http://www.gla.ac.uk/schools/education/research/researchgroups/interdisciplinaryscienceeducationtechnologiesandle/publications/>

Projektai:

<http://www.gla.ac.uk/schools/education/research/researchgroups/interdisciplinaryscienceeducationtechnologiesandle/projects/>

JK – Aston University



- Study
- Research
- Business
- Alumni
- News & Events
- Birmingham
- International
- About



Engineering & Applied Science

> Research Impact > Research groups > Engineering Education Research Group

Engineering & Applied Science

Research Impact

Research groups

Engineering Education Research Group

Current projects

Engineering Education Research Group

Ensuring the highest quality and most relevant engineering education for students is a goal of every university engineering department. In order to achieve this, having a thorough understanding of what constitutes good engineering education and how it can be implemented is fundamental. The Aston Engineering Education Research Group is focused on developing the understanding that will enable colleagues across the sector to introduce innovative and relevant learning and teaching practice that addresses the needs of industry whilst engaging students in their learning.

The group, which is made up of both engineering and social science academics, is not only concerned with HE but the whole 'engineering education pipeline' from primary school to the employment of engineers and their continued learning.

Drawing from different disciplines, the team has interests in many areas of engineering education.

Research Degrees at Aston



Find out more about the

<http://www.aston.ac.uk/eas/research/groups/eerg/>

JK – Aston University

Current projects include:

- Evaluation of Project Based Learning (more specifically CDIO)
 - Staff training for innovative learning and teaching
 - The importance of relationships, variety and coherency in engineering education
 - Bringing business and engineering together
 - Attributes of the graduate engineers of the future
 - Introducing engineering at primary school level
 - Outreach to schools – what works and why?
 - Student perceptions of engineering
 - Peer mentoring at transition
 - Relationships between industry and academia – what are the characteristics for success?
 - Work based learning
-
- Projektoi:
<http://www.aston.ac.uk/eas/research/groups/eerg/current-projects/>

Airiya

- Maynooth University
- Dublin City University

Airija – Maynooth University



Computer Science Education Research Group

[Home](#) [Members](#) [Projects](#) [Publications](#) [Funding](#) [Contact](#)

Welcome

The Computer Science Education Research (CSER) group is interested in all aspects of CS Education including:

- First Year Experience
- Large Group Teaching
- Diversity
- Authentic Assessment
- Inclusive Teaching
- Novel Teaching Techniques
- Retention and Recruitment

Our goal is to enable ourselves and other interested researchers to embrace and improve their educational research methods and raise expectations and understanding of the importance of this type of research within the greater computing community.

The Computer Science Education Research Group hold regular meetings where we design and discuss research projects related to current activities in CS education.

Airija – Maynooth University

Komanda:

<http://www.cs.nuim.ie/research/cser/members.html>

Tyrimų sritis:

<http://www.cs.nuim.ie/research/cser/index.html>

Publikacijos:

<http://www.cs.nuim.ie/research/cser/publications.html>

Projektai:

<http://www.cs.nuim.ie/research/cser/projects.html>

Airija – Dublin City University

CASTeL

CASTeL

News

+ Interests & Activities

People

Contact

CASTeL, the Centre for the Advancement of Science and Mathematics Teaching and Learning is multidisciplinary research team focused on enhancing science and mathematics education at all educational levels, supported by evidence-based research and contributing to international good practice. CASTeL members, comprising of scientists, mathematicians and educationalists from Dublin City University and St. Patricks College Drumcondra, lead and participate in formal and informal STEM education projects, nationally and internationally, which are focussed on inquiry based science teaching, learning and assessment.

News



Airiya – Dublin City University

Tyrimų sritis:

<http://www4.dcu.ie/castel/interests.shtml>

Projektai:


<http://www4.dcu.ie/castel/projects.shtml>

Australija

- The University of Adelaide
- The University of Sydney
- Monash University
- RMIT University
- The University of Newcastle

Australija – The University of Adelaide

School of Computer Science



THE UNIVERSITY
of ADELAIDE

School of Computer Science / Research / CS Education Research (CSER)

Login

School of Computer Science

About the School

Current Students

Future Students

Research

Auto-ID Lab

Visual Technologies (ACVT)

Optimisation and Logistics

CS Education Research (CSER)


Computer Science Education

The Computer Science Education Research Group (CSER) promotes research and scholarship both in the field of Computer Science Education and more broadly in the Higher Education sector. The goal of CSER is to understand how we can improve the teaching and learning of computing, and how contemporary issues in higher education, such as the use of new technologies, can impact upon the teaching and learning environment.

Recent research within the group includes research into collaborative learning strategies, specifically collaborative learning in large first year classes, assessment requirements, and the specific skills required by teaching staff who are guiding collaborative learning activities. We also conduct research on communication skill development within discipline contexts; and the use of rigorous data analysis to improve teaching design and improve the student learning experience.

CSER

A CSER and Google Collaboration



Australija – The University of Adelaide

Komanda ir tyrimų sritis:

<http://blogs.adelaide.edu.au/cser/about/>

Publikacijos:

<http://blogs.adelaide.edu.au/cser/publications/>

Projektai:

<http://blogs.adelaide.edu.au/cser/category/projects/>

Australija – The University of Sydney



SCIENCES AND TECHNOLOGIES OF LEARNING

SCIENCES AND TECHNOLOGIES OF LEARNING UNIVERSITY HOME

Q Research GO

SCIENCES AND TECHNOLOGIES OF LEARNING

- > About us
- > Our Research
- > Our People
- > Our Facilities
- > Work with us
- > Events
- > Contact Us



SCIENCES AND TECHNOLOGIES OF LEARNING

Our mission is to pioneer research in learning technology and the learning sciences in order to discover how new learning technologies and innovative pedagogical approaches can enhance learning and its outcomes.

Our research will enhance the ability of all those involved in education - formal and informal - to create learning environments that help people develop the skills, knowledge and dispositions needed if they are to make innovative contributions in their workplaces and communities, and more broadly in society.

SPOTLIGHT



Australija – The University of Sydney

Komanda:

<http://sydney.edu.au/research/stl/people/sydney.shtml>

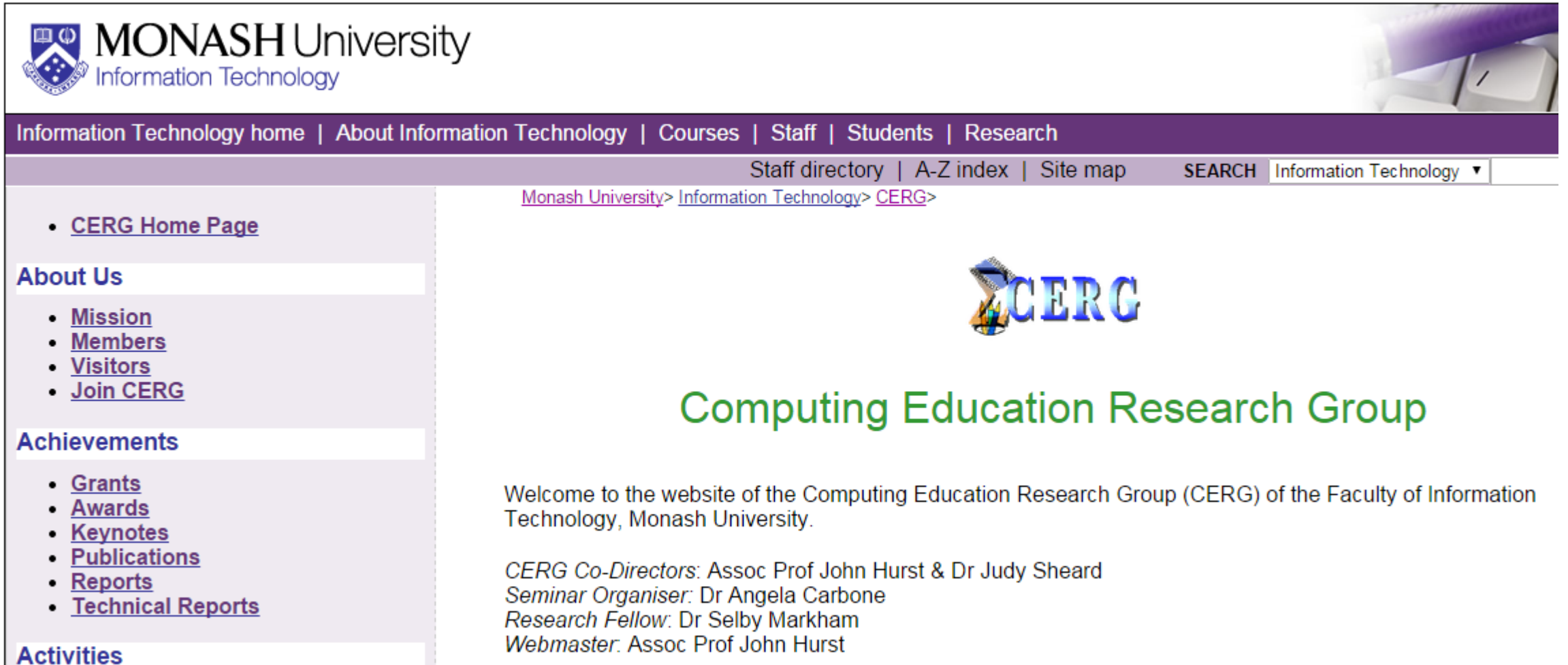
Tyrimų sritis:

<http://sydney.edu.au/research/stl/about/>

Publikacijos:

<http://sydney.edu.au/research/stl/research/publications/index.shtml>

Australija – Monash University



MONASH University
Information Technology

Information Technology home | About Information Technology | Courses | Staff | Students | Research

Staff directory | A-Z index | Site map SEARCH Information Technology ▾

[Monash University](#) > [Information Technology](#) > [CERG](#) >

- [CERG Home Page](#)


About Us

- [Mission](#)
- [Members](#)
- [Visitors](#)
- [Join CERG](#)

Achievements

- [Grants](#)
- [Awards](#)
- [Keynotes](#)
- [Publications](#)
- [Reports](#)
- [Technical Reports](#)

Activities



Computing Education Research Group

Welcome to the website of the Computing Education Research Group (CERG) of the Faculty of Information Technology, Monash University.

CERG Co-Directors: Assoc Prof John Hurst & Dr Judy Sheard
Seminar Organiser: Dr Angela Carbone
Research Fellow: Dr Selby Markham
Webmaster: Assoc Prof John Hurst

Australija – Monash University

Komanda:

<http://cerg.infotech.monash.edu.au/members.xml>

Tyrimų sritis:

<http://cerg.infotech.monash.edu.au/mission.xml>

Publikacijos:

<http://cerg.infotech.monash.edu.au/publications/index.xml>

Projektai:



<http://cerg.infotech.monash.edu.au/projects.xml>

Australija – RMIT University


The screenshot shows the RMIT University website header and a page for the Research section. The header includes navigation links for RMIT AUSTRALIA, STUDENTS, ALUMNI, STAFF, myRMIT, LOCAL STUDENTS, ABOUT, NEWS, EVENTS, LIBRARY, MAPS, and CONTACT. The RMIT UNIVERSITY logo is on the left, followed by links for Study with us, Life at RMIT, Research, and Industry. A search bar is on the right. The main content area features a large 'Research' heading and a 'SHARE' button. Below the heading is a paragraph about the School of Computer Science and IT. A dropdown menu is open on the right, listing: Academic schools, Computer Science and Information Technology, Our teaching areas, About, Research (highlighted), Projects, and Research degrees.

RMIT AUSTRALIA ▾ STUDENTS ALUMNI STAFF myRMIT LOCAL STUDENTS

ABOUT | NEWS | EVENTS | LIBRARY | MAPS | CONTACT

 RMIT UNIVERSITY Study with us Life at RMIT Research Industry Search 

Research

SHARE 

Building on a global reputation and attracting top talent in pursuit of world-class research, the School of Computer Science and IT has recognised strengths in both applied and theoretical research.

- < Academic schools
- < Computer Science and Information Technology
- Our teaching areas
- About
- Research**
- Projects
- Research degrees

Australija – RMIT University

Research areas

Our research is focused on these key areas:

- Computer science education research
- Cyberspace and security
- Data analytics
- Evolutionary computing and machine learning
- Information retrieval
- Intelligent agents
- Smart sensing and services

Straipsniai

Australija – The University of Newcastle



LIBRARY CURRENT STUDENTS CURRENT STAFF

FUTURE STUDENTS

RESEARCH AND INNOVATION

INDUSTRY

INTERNATIONAL

[Simon](#). His principal areas of research are computing education, working on the perennial problem that some students find it very difficult to learn to program; and academic integrity, focusing on the differences between written assignments such as essays and the many different forms of non-textual assessment that some university students are required to undertake.

RESEARCH EXPERTISE

Computing education: researching the difficulties that some students have grasping computing subject matter, particularly programming education, and possible ways of overcoming those difficulties.

Bibliometrics: researching the emergence of computing education as a field of research; specifically within that area, analysing the body of published papers within computing education and identifying the increased proportion of those papers that are clearly research papers.

Academic integrity: investigating ways that students cheat and ways of detecting and overcoming the cheating.