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

INSTITUTE OF INFORMATICS

About the Institute

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 was on research and development activities.

Research Team | Research and Development Activities

Research and development activities of the Isntitute 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

Aalto University
School of Science

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

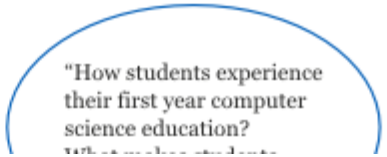
- › News & events +
- › About
- › Research –
  - › Publications +
  - › Professors

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:

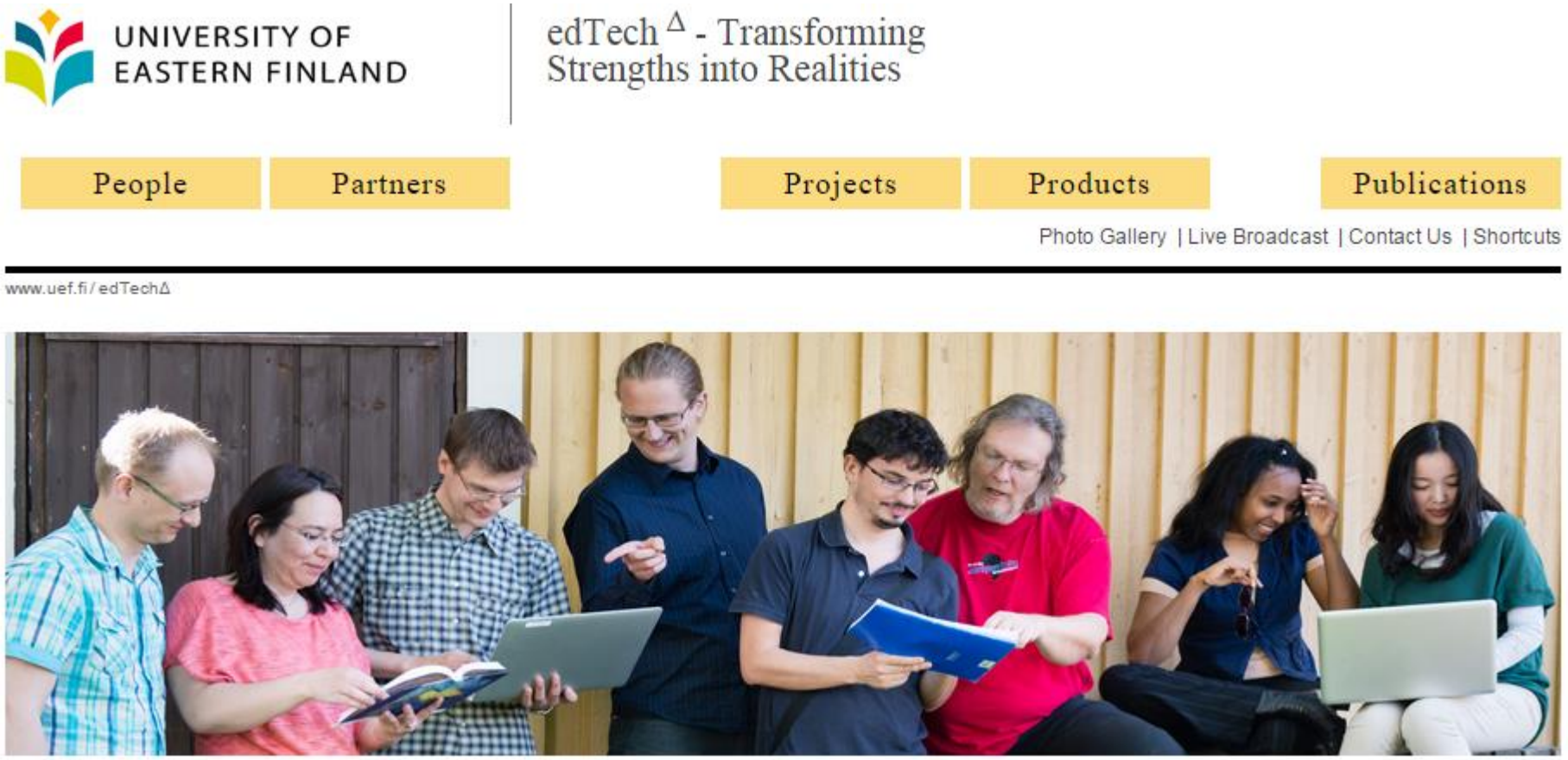
http://cse.aalto.fi/en/research/learning_technology/publications/

Projektai:

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

COMPSER research group has been merged with Learning + Technology Group. These pages will no longer be updated.

Suomija – University of Eastern Finland



EdTech grupė, 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

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

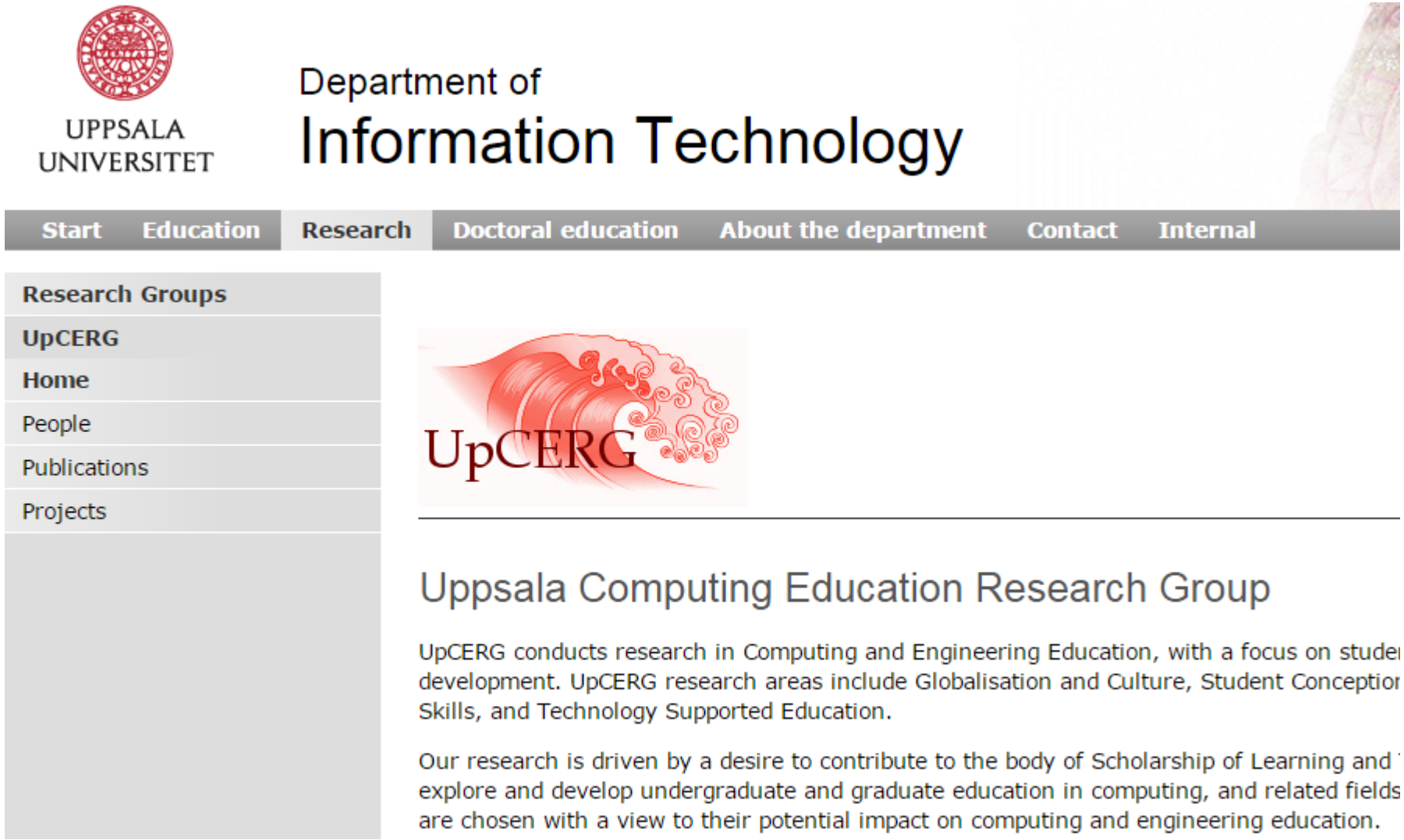
The Edge group – Development Group for Programming Education. The Edge group is located in Institute of Software Systems (ISS) at Tampere University of Technology.

- 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



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

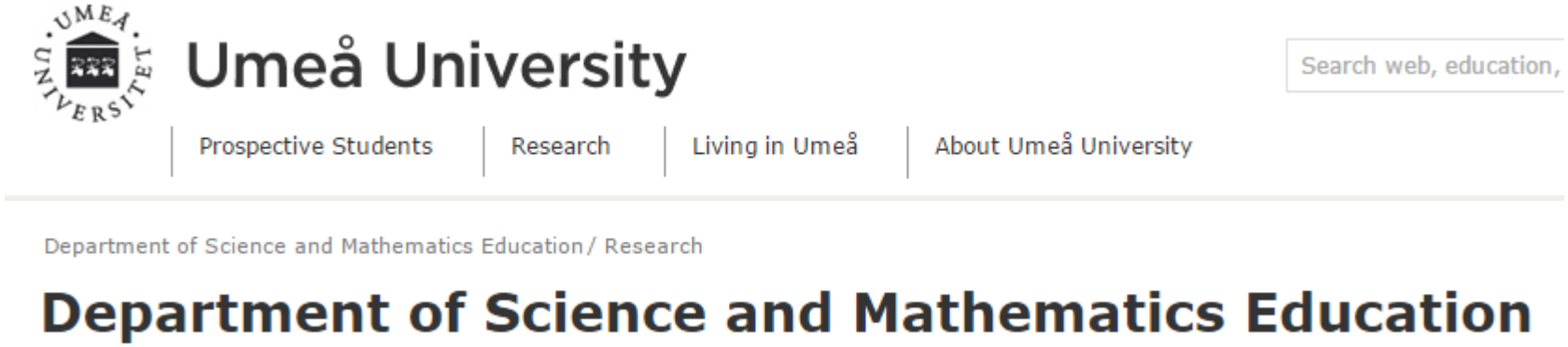
Publikacijos:

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

Projektai:

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

Švedija – Umeå University

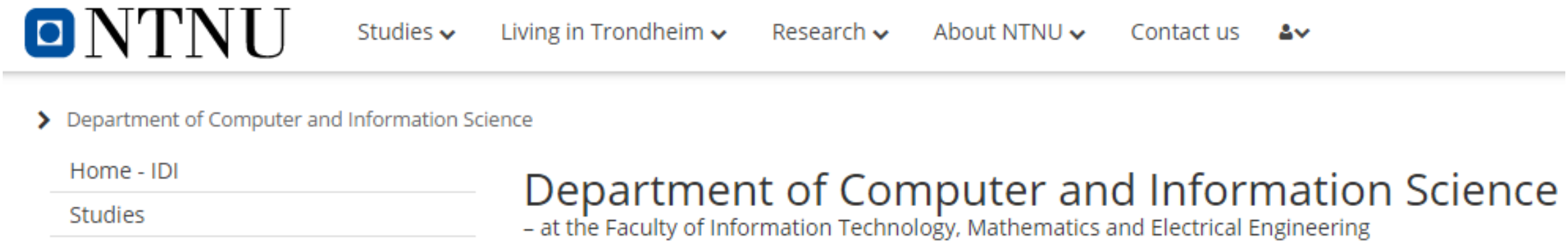


The research at the department is mainly within the framework of two interdepartment and interfaculty networks; Umeå Mathematics Education Research Centre (UMERC) and Umeå University Science Education Research (UMSER).

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

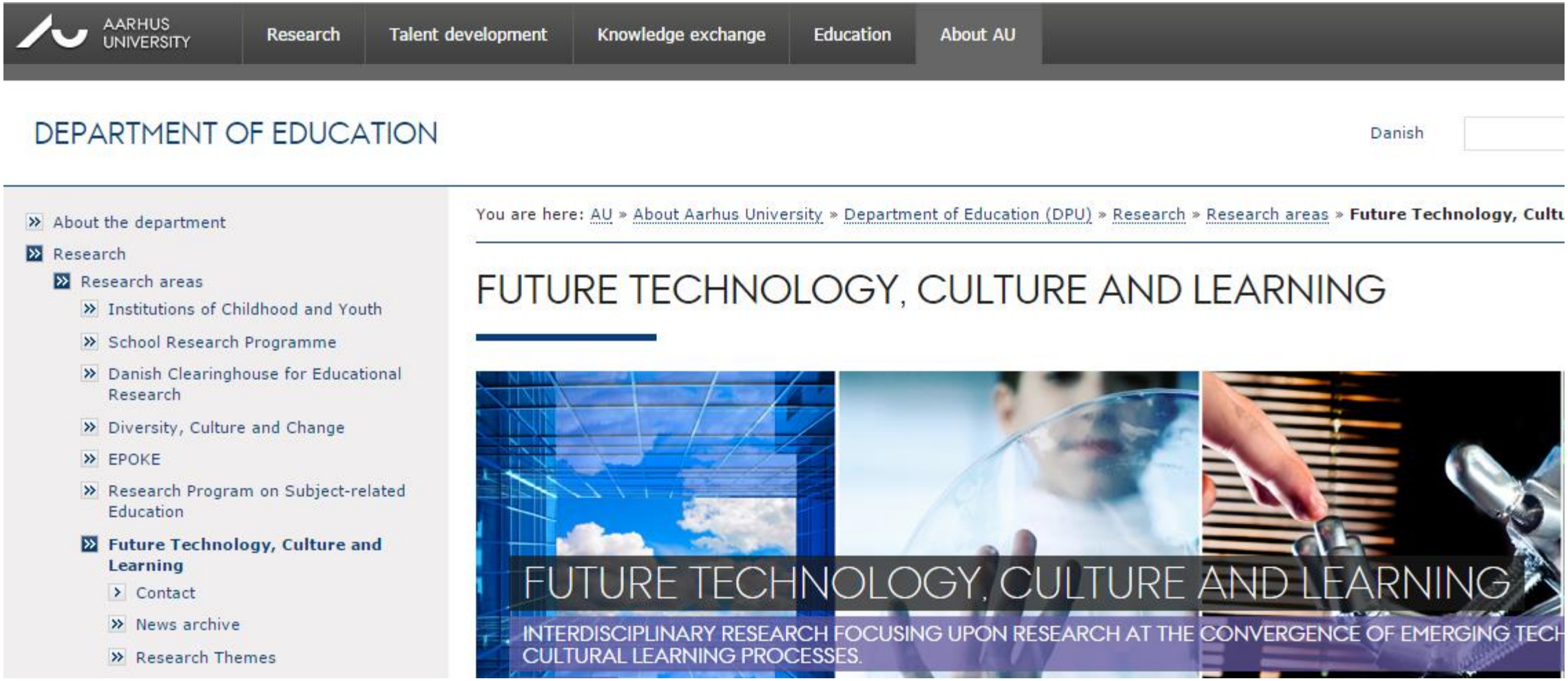


Roberta Proto, **Michail N. Giannakos**, **Letizia Jaccheri**

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



Straipsniai

Danija – Aarhus University

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

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

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

Aston University

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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

- Projektai: http://www.aston.ac.uk/eas/research/groups/eerg/current-projects/

Airija

- Maynooth University
- Dublin City University

Airija – Maynooth University

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

DCU DUBLIN CITY UNIVERSITY | EXPLORE DCU | STUDY AT DCU | RESEARCH & ENGAGEMENT

CASTeL

- CASTeL
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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.

Airija – Dublin City University

Tyrimų sritis:

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

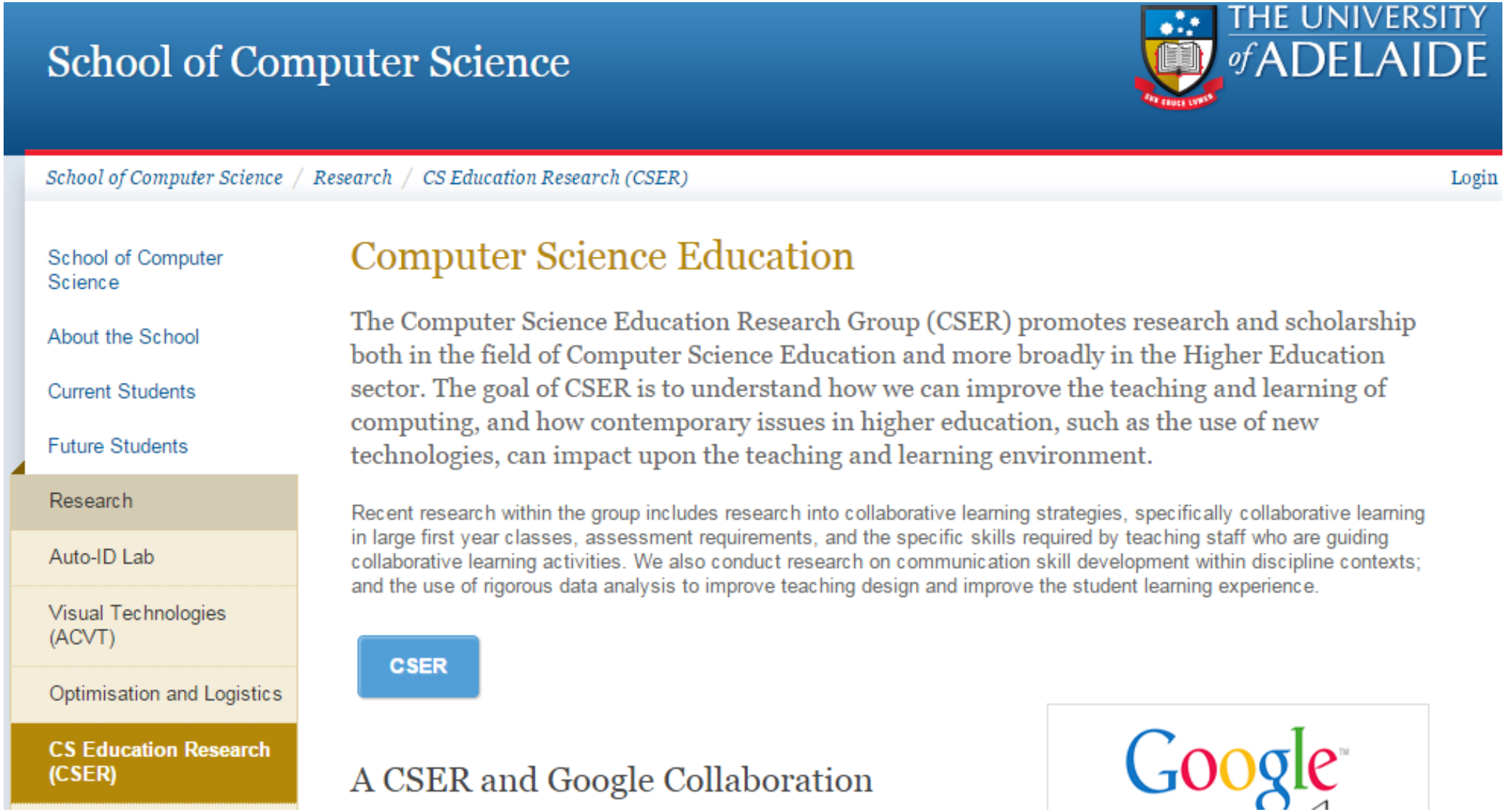
Projektai:

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



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

Australija – The University of Sydney

Komanda:

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

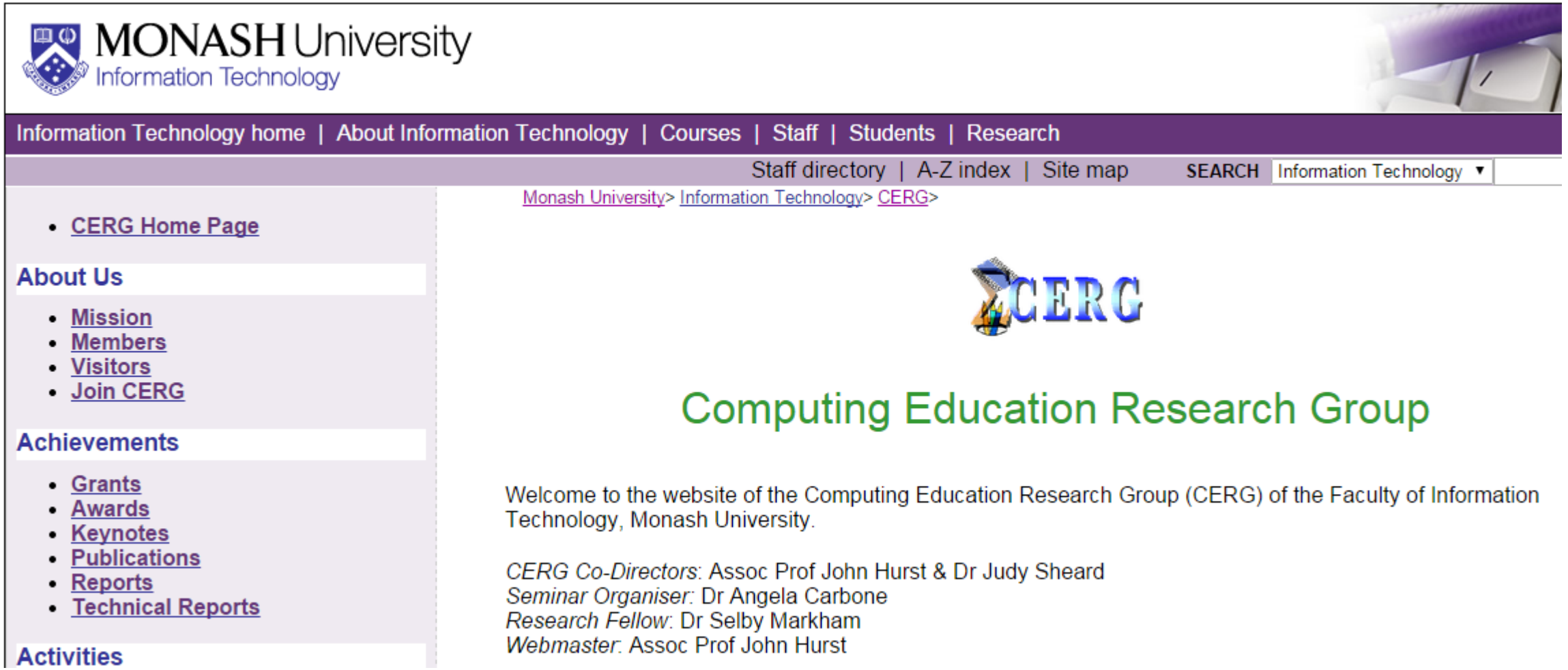
Tyrimų sritis:

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

Publikacijos:

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

Australija – Monash University



Judy Sheard

Australija – Monash University

Komanda:

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

Tyrimų sritis:

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

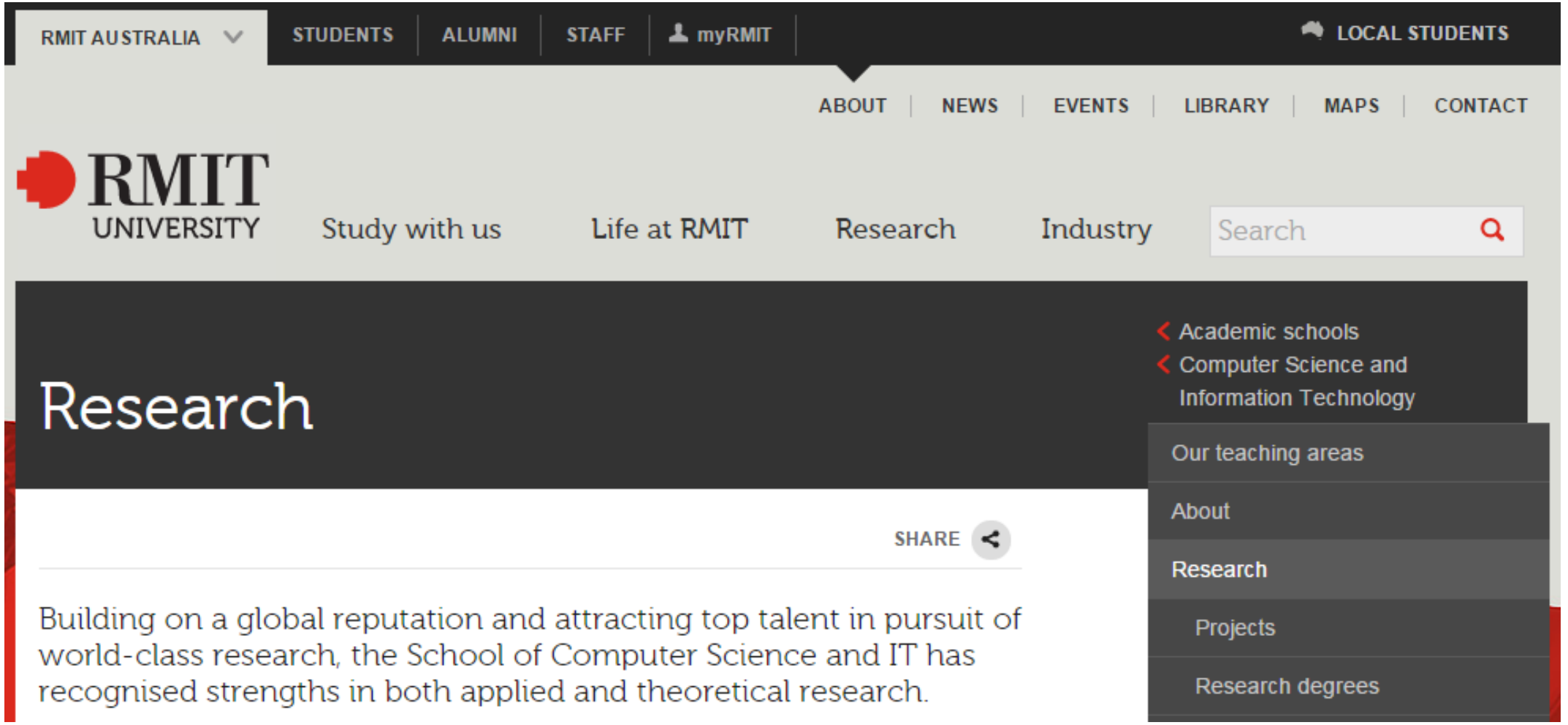
Publikacijos:

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

Projektai:

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

Australija – RMIT University



Australija – RMIT University

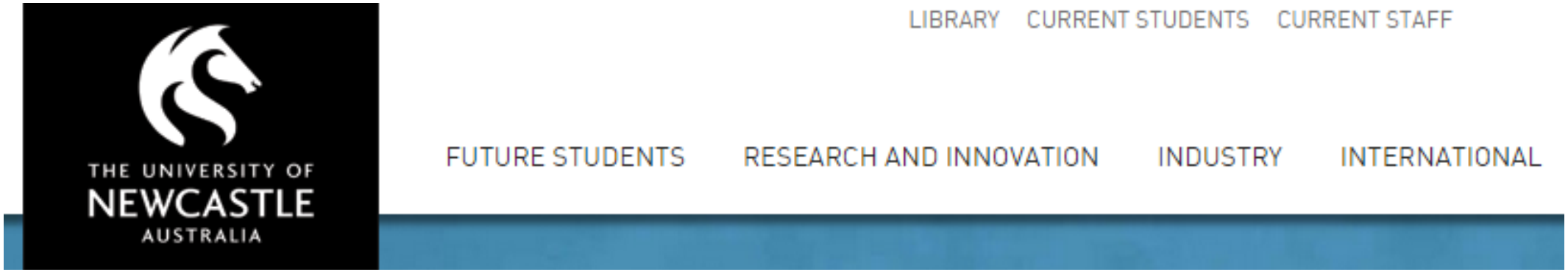
Research areas

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



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.