Research group: Mednet  PI/head: Martin Rydmark  URL: http://www.mednet.gu.se e: martin.rydmark@mednet.gu.se

1) Stroke rehabilitation at home or assisted living with the aid of Virtual Reality, Haptics and Telemedicine in an organization with community Rehabilitation centrals and hospitals, a VINNOVA supported project.

2) Global RUN – Remote Undergraduate Network for development of interdisciplinary courses in Performance (Sports), Medicine and Bioengineering, mutually at Stanford University and Göteborg University in cooperation with University of Queensland, University of cape Town and several universities in Scandinavia, as supported by Wallenberg Global Learning Network and PIL at University of Gothenburg.

3) GPCC – Gothenburg Person Centered Care, a 5 y project supported by the Swedish government and the University of Gothenburg.

4) LET-studio – a project in University of Gothenburg’s ‘Strength Area’ for ‘Learning’.

For CV, publications and project details, see: www.mednet.gu.se

Members in the research network (main members underscored):
CH Berthold
Staffan Björk
Jurgen Broeren
Björn Börve
Martin Gellerstedt
Mattias Georgsson
Daniel Goude
Carina Hallqvist
Birgitta Johansson
Niklas Klasson
Jacob Lindh
Helge Malmgren
Mona Nilsen
Erik Olsson
KJ Palmerius
Lena Pareto
Jeanette Plantin
Stefan Pettersson
Daniel Ruhe
Martin Rydmark
Hans Rysted
Nenad Stankovic
Babar Zafar
i.a.

Recent publications (2001->):

1. Broeren J, Rydmark M. Computer assisted stroke rehabilitation in home care the possibilities of distributed Virtual Reality. Conference on aging, care and


28. McDonald S, Stankovic N, Goude D, Höstner J, Rydmark M. One Year Follow Up after Multiple Flexor Tendon Releases in Patients with Cerebral Palsy –


Martin Rydmark - Curriculum Vitae (Updated September 2009)
(Full CV and publication list at www.mednet.gu.se)

Doctoral degree: Ph.D. 1982 and MD 1983 at Karolinska Institute, Stockholm.
Qualification as associate professor: 1985 University of Gothenburg.
Current position: Associate professor and Senior lecturer, the Sahlgrenska Academy at University of Gothenburg.

Time for research in your current position: 23


Distinctions. 1996 I was a finalist in EASA (European Academic Software Award) in Klagenfurt with a program named "3D Brain”. 2003 2nd Poster price, at Medicine Meets Virtual Reality (MMVR) conference in Newport Beach, Los Angeles. 2007 1st Price “Best Swedish IT project in the discipline health care” for my research project, “Stroke rehabilitation at home”.

Number of people awarded doctorates for whom the participating researcher has been a supervisor: 7

Two Ph.D. student are presently registered. One is pending for registration.

Major research funding the last five years:

National and international assignments of importance.
1985-1995 Director for course ‘Nervous system anatomy and physiology’ in educational programme for medical students at Univ. Gothenburg.
1993-2003 advisor to The Swedish Council for Higher Education.
1996-2005 Director and chairman of the board of Mednet (the computer laboratory of the Medical Faculty, Univ. Gothenburg).
1998 judge in EASA (European Academic Software Award) in Oxford.
2004 – 2008 PI for the collaborative educational project RUN (Remote Undergraduate Network for Human Performance supported by Wallenberg Global Learning Network) between Univ. Gothenburg and Stanford University.
2007 Invited to the Ministry of Communication and Information Technology in New Delhi, India, to plan for an Indian – Swedish research project telemedicine.
2008 Consultant to the medicine technical company ‘Greenleaf Medical’, in Palo Alto, CA.
2008 Key note presenter at two meetings to the US authorities and stake holders ‘Sweden – best health care in the world’ at the Swedish Embassy in Washington DC and one meeting in Newcastle for the NE England stake holders.
2008 The representative for the Sahlgrenska Academy in the University of Gothenburg PIL-unit (pedagogy development and interactive learning).

Publications: 102

Qualifications with respect to collaboration and/or communication of research findings.
Peer reviewer for international scientific journals. Examiner of national and international research grant applications. Chair or session leader at national and international conferences,
Opponent. I have acted as opponent at four disputations.

Miscellaneous. 1) Vice chair in Nordic Forum for Computer Assisted Learning since 1995. 2) One of the founders of VIMI (Virtual Institute for Medical Informatics), a Swedish interest group started in the late ‘90’s. 3) EASA (European Academic Software Award) juror in Ronneby 2000. 4) Chair of MSHS (Modeling and Simulation in Health Care) since 2002, a division of MoSiS (see below). 5) Vice chair of MoSiS (The Society for Modeling and Simulation in Sweden) since 2003, MoSiS is an organizational member of SIMS - The Simulation Society of Scandinavia - which in its turn is a member of EUROSIM - The Federation of European Simulation Societies. 6) Reviewer of applications for Vetenskapsrådet, TFR (f.d. teknikforskningsrådet), KK-stiftelsen, HGUR (National Council for the Renewal of Higher Education). 7) Consultant teacher at, i.a. National/regional Institute for Occupational Safety and Health and University College Jönköping in ergonomy, biomechanics, kinesiology and load injury prevention. Consultant to Carelink and regional health care communities and hospitals. 8) Organizer of VR(virtual reality)-Forum conference 2001 and 2005 in Goteborg. 9) National cooperation with universities and university colleges in medical informatics. International cooperation with CAIP at Rutgers University (NJ, USA), Medical School, La Jolla, UCSD (CA, USA) and Stanford University (CA, USA).