

CURRICULUM VITAE

JÄMSÄ Timo Jaakko

Born Feb 18, 1958 in Espoo, Finland
Nationality Finnish



1. Education and qualifications

1981 M.Sc.Eng., Dept of Electrical Engineering, University of Oulu
1995 Lic.Tech., Dept of Electrical Engineering, University of Oulu
1998 Ph.D., Faculty of Medicine, University of Oulu
2000 Adjunct Professor in Biomedical Engineering, University of Oulu
2002 Qualification for Professorship in Medical Technology, University of Oulu
2002 Qualification for Professorship in Biophysics, University of Oulu

2. Appointments

Present position

10/2002 – Professor in Medical Technology, Department of Medical Technology, Faculty of Medicine, University of Oulu

Previous appointments

1-11/1981 Assistant in Medical Physics, University of Oulu
1981 – 2003 Part-time lecturer, University of Oulu
11/1981 – 12/1999 Laboratory Manager, Faculty of Medicine, University of Oulu
1/2000 – 9/2002 Chief Engineer, Faculty of Medicine, University of Oulu
6/2001 – 9/2002 Acting Professor in Medical Technology, Department of Medical Technology, Faculty of Medicine, University of Oulu
8/2009 – 7/2010 Senior Researcher (research leave, Academy of Finland), University of Oulu

3. Research evaluation

The Department of Medical Technology, started by prof. Timo Jämsä in 2001, was evaluated amongst the seven best departments of the university in the Research Assessment Exercise (RAE2007) of the University of Oulu in 2007. The total grade was 6 out of 7, representing excellent quality of research. According to the evaluation, university nominated the department as **Centre of Excellence in Research**. Prof. Jämsä has been the head and the only professor of the department in 2001- 2009.

4. Tasks as an academic expert

7 PhD theses supervised (co-supervisor or principal supervisor)
10 PhD theses in supervision
External evaluator for 6 PhD theses
External evaluator for 7 academic positions
Evaluator for 1 educational program
Evaluator for research applications (5x)
Editorial board member: Frontiers in Human Physiology, Open Bone Journal
Ad hoc referee for: Annales Chirurgiae et Gynaecologiae, Applied Surface Science, Clinical Physiology and Functional Imaging, Estonian Journal of Engineering, IEEE Transactions on Circuits and Systems, Journal de Physique IV, Journal of Biomechanics, Journal of Bone and Mineral Research, Journal of Clinical Densitometry, Journal of Osteoporosis, Journal of Shoulder and Elbow Surgery, Materials Science Forum, Medical & Biological Engineering &

Computing, Osteoporosis International, Science of Total Environment + Several conference proceedings

5. Positions of trust

- 2006 – European Alliance for Medical & Biological Engineering and Science (EAMBES), member of the General Council, vice-chair (2007 – 2008) and chair (2009-2010) of the Academic Division
- 2000 – Finnish Society for Medical Physics and Medical Engineering (LFTY ry), member of the board, vice-chair (2002 – 2003), chair (2004 – 2007)
- 2004 – International Graduate School of Biomedical Engineering and Medical Physics (iBioMEP), chair of the planning committee 2004 – 2006, member of the board 2007 –, director 2010 –
- 2008 – 2013 Institute of Biomedicine, University of Oulu, head of the institute
- 2001 – 2007 Department of Medical Technology, University of Oulu, head of the department
- 2004 – Caritas Foundation, member of the board
- 2005 – 2006 FinnSight 2015, member of panel 'Wellbeing and Health', Academy of Finland
- 2008 – Oulu Wellness Institute, member of the board
- Member of several national and European committees and projects for promoting education and research in biomedical engineering and medical technology
- Member of the organizing / scientific committee for several international and national conferences and seminars
- Session chair at several international and national conferences and seminars
- Invited lectures at several international and national conferences and seminars

6. Significant awards

- 2004 Clinical Biomechanics Award, European Society for Biomechanics
- 2007 Best Clinical Bone Study of the Year, Finnish Bone Society
- 2008 Best Clinical Bone Study of the Year, Finnish Bone Society

7. Major research funding

- 2001 – 2004 Qualification and Quantification of Health Exercise, TEKES, 469.500 EUR
- 2002 – 2007 Shape Memory Based Implants, TEKES, 906.000 EUR
- 2005 – 2009 Development of Methods for Evaluating Hip Fracture Risk, TEKES, 650.000 EUR
- 2006 – 2008 Smart Environment for Senior Citizens (SESC), Academy of Finland, 75.000 EUR
- 2006 – 2007 Mätningar och ICT för hemvårds distansmonitoring (SensorBand), EU Interreg III A North, 88.000 EUR
- 2008 – 2010 Controversial Effects of Exercise on Articulate Cartilage and Bone? Academy of Finland, 132.130 EUR
- 2008 – 2011 SensorBand II, EU Interreg IV A North, 125.000 EUR
- 2009 – 2010 Biomechanics of Hip Fracture - Technologies for risk assessment and prevention of hip fractures. Academy of Finland, 140.580 EUR
- 2009 – 2013 Value Creation in Smart Living Environment for Senior Citizen (VESC), Academy of Finland, 143.000 EUR
- 2011 Funding for microCT infrastructure, European Regional Fund, 366.000 EUR
- 2011 – 2015 Strategic funding for recruitment of a Research Fellow in Biomedical Engineering, University of Oulu, 750.000 EUR