

GENERAL: Date of birth: June 11, 1973, Pennsylvania, USA. Double citizenship USA and Sweden. Maiden name Gutierrez. Languages: English (native tongue), Swedish (fluent), Spanish (poor).

ADDRESS:

KTH Mechanics
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Sweden
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1. HIGHER EDUCATION DEGREES

MSc in Biomedical Engineering, University of Michigan, 1997
BSc in Mechanical Engineering, Cornell University, 1995

2. DOCTORAL DEGREE

PhD in Orthopedics 2007, Karolinska Institutet
Dissertation Title: Gait strategy in myelomeningocele: Movement, mechanics and methods

3. DOCENTURE AND TENURE

Docent 2007 in Human Movement Mechanics, KTH
Tenure 2010 at KTH Mechanics

4. CURRENT APPOINTMENT

Assoc. Professor of Biomechanics
KTH Engineering Sciences, Department of Mechanics
50% research

Affiliated Associate Professor of Biomechanics
Karolinska Institutet

5. PAST APPOINTMENTS

Assistant Professor of Biomechanics 2004-2010
KTH Engineering Sciences, Department of Mechanics
75% in research
20% consultant in biomechanics at the Karolinska Univ. Hospital Motion Analysis Lab

Clinical Gait Laboratory Biomechanical Engineer 2000-2004
MotorikLab, Astrid Lindgren Children's Hospital, Karolinska Univ. Hospital
(currently consultant at same lab)

Visiting Scientist 1997- 1999
Chalmers University of Technology, Crash Safety Division, Gothenburg, Sweden

6. LEAVES OF ABSENCE

Parental leave:
July 2007-May 2008
September 2009-August 2010

7. OTHER POSITIONS HELD

Director of undergraduate studies at KTH Mechanics since 2012

Member of Appointments Committee (Sv: Tjänsteförslagsnämnden) at the School of Engineering Sciences since 2011

Member of Faculty Confidence Council (Sv: Fakultets förtroenderåd) since 2011

Reference group for gender equality at KTH since 2011

8. DOCTORAL STUDENTS SUPERVISED (completed and ongoing)

Completed:

Main supervisor for:

1. Ruoli Wang, PhD, KTHMechanics PhD 2012
2. Olesya Klets, MSc, KTH Mechanics Tech. lic 2011

Co-supervisor for:

3. Natalia Kosterina, PhD, KTH Mechanics PhD 2012
4. Kristina Löwing, Karolinska Institutet PhD 2010
5. Sofia Heintz, KTH Mechanics Tech. lic 2006
6. Girts Murans, MD PhD, Orthopedic Surgeon, Karolinska Institutet PhD 2011

Ongoing:

Main supervisor for:

7. Erik Dijkstra, KTH Mechanics (2012-present)
8. Priti Yadav, KTH Mechanics (2012-present)

Co-supervisor for:

9. Robert Peterson, KTH Mechanics (2006-present)
Tech. Lic. 2009, Planned PhD Sept 2012
10. Stefan Gantelius, MD, Orthopedic surgeon, Karolinska Institutet (2008-present)
Planned PhD approximately 2013
11. Pähr Engström, MD, Orthopedic Surgeon, Karolinska Institutet (2010-present)
Planned PhD Dec 2012
12. Marie Eriksson, CPO, Karolinska Institutet (2010-present)
Planned PhD approximately 2013
13. Cecilia Lidbeck, RPT, Karolinska Institutet (2011-present)
Planned PhD approximately 2015
14. Mikael Swaren, KTH Mechanics (2012-present)
Planned PhD approximately 2016

Master's thesis supervisor for 7 students

10. ACADEMIC APPOINTMENTS AND ASSIGNMENTS

Member of evaluation committee at the Swedish Scientific Council in Technical Mechanics (Sv: ledamot i VR beredningsgrupp NT-U Teknisk mekanik)

Faculty opponent (external examiner) for doctoral dissertation:

Sofia Brorsson, PhD, December 2008, University of Gothenburg / Sahlgrenska Academy

Thesis committee (Sv: betygsnämnden) for doctoral dissertation:

Sae-Il Murtada, PhD, February 2012, KTH

Anita Pinheiro Sant'Anna, PhD April 2012, Halmstad University

Thesis committee (Sv: halvtidskontroll) for mid-doctoral studies control:

Fredrik Tinmark, January 2012, Karolinska Institutet

11. TEACHING EXPERIENCE

Courses taught:

Course organizer and lecturer:

- Biomechanics and human movement (upper undergraduate level) KTH (7.0 c) 2011-
- Advanced mechanics KTH (6.0 c) 2010-
- Musculoskeletal biomechanics & human movement (PhD level) KTH (7.5 c) 2009
- Human movement analysis and simulation KTH (3 c) 2006-9

Course co-organizer:

- Motion analysis with concentration on clinical biomechanics KI (2 c) 2005
- Evaluation of gait function in children and youth with motion disorders KI (1 c) 2005-7

11. OTHER

Leadership education

- Participated in MAL-3 (Academic leaders of tomorrow) education 2008-9
- Participated in KTH leadership education for associate professors 2012.
- Participated in KTH School of Engineering Sciences leadership education 2011
- Participated in a pro-active research project to increase gender equality and awareness at KTH
- Participated in doctoral supervision course, KTH 2006

Awards

Göran Gustafssons award for young researchers 2007, 200.000 SEK

Professional society activity

- Co-organizer for the 2012 ESMAC conference
- Served on Scientific Committee for ESMAC conference 2006, 2009, 2010, 2012
- Review regularly for Gait & Posture, Arch Phys Med Rehabil, Clin. Biomech., J. Biomech, etc.

Media contributions:

- Barnsjukhuset, SVT 4, Topic: Gait & treatment of a child with myelomeningocele, aired June 2003
- Hjärnkontoret, SVT: Treatment and gait analysis of a child with CP, aired February 2002
- Kött på benen, Swedish Television, Fact reference: Balance and balance disturbances, March 2004