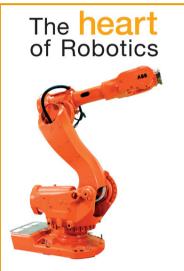
Fredrik Ekdahl Robotics



Industrial Co-operation & Innovation

Sample Co-operations – ABB









Fredrik Ekdahl

- Background:
 - M.Sc. Industrial Engineering & Management
 - Ph.D. Quality Technology & Management
- Experience:
 - Several years of experience from managing research and development teams in a software intensive setting
 - Several years of international experience from coaching and driving performance improvement in software product development
 - Several years of experience from leading and participating on ABB internal CMMI appraisals
 - Multiple international publications and conference presentations on the subject of performance improvement in software product development

Industrial advisor on several ongoing and completed research projects





Industrial Robotics



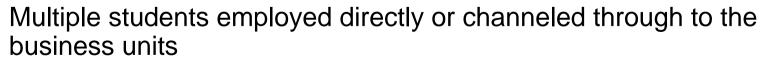






Areas of Co-operation

- Basic Education
 - Lectures on various topics and industry experience
 - Tutoring of master thesis projects
 - Input on curricula
 - Cherry picking talent
- Sample Achievements
 - Standing set of lectures in SW Engineering Course
 - Multiple master theses completed every year
 - SW Engineering Course







Areas of Co-operation

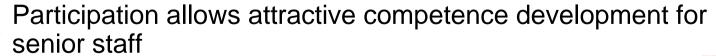
- Research Education
 - Industrial Licentiate and PhD Students
 - Tutoring of Licentiate and PhD Students
 - Joint Publications
 - Joint Courses
 - Research Advisors
- Sample Achievements
 - Multiple Tech. Licentiate and Ph.D. Students through the process
 - Multiple recognized publications
 - Advanced SW Architecture Principles and Practices





Areas of Co-operation

- Research
 - Research Partner
 - Research Application Reference Group
 - Active participation on research projects
- Sample Achievements
 - Attractive research results
 - Successful completion of research projects in multiple disciplines
 - Input on research direction strengthens industry relevance of research projects





Experiences

- Active participation is necessary for true success
- Co-operation with the academic world is a strategic effort
- Leverage spin-off opportunities
- Co-operation is a two-way street
- Avoid involvement for the sake of involvement
- Building co-operation takes time
- Senior academic experience on the industry side is helpful
- Senior industry experience on the academic side is helpful
- Academic side needs to be eager and creative in accommodating various forms of co-operation, and so does the industry side
- Effective way of keeping senior staff and attracting junior talent
- n't forget about the networking opportunities
 - Make sure you are on top of Intellectual Property rights



