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Statement regarding candidates for  
**Chair in Industrial Engineering and  
Management**  
at Uppsala University UFV-PA 2010/1582

There are 9 applicants: *Enrico Baraldi, Rob Dekkers, Simon Fredriksson, Marcus Lindahl, Eva Mårtensson, Lars Pejryd, Sofia Ritzén, David Sköld and Göran Wall.*

I have based my opinion on the interpretation I make of the description of the requirements for the applicants in the ad text:

- *The professorship will serve the university in the fields of Engineering methods and Technical Innovations and entrepreneurship.*
- *The engineering process and corresponding system perspective are important conceptions for the preferred research aim and direction.*
- *Important fields of interest may be Industrialization including up-scaling and enlargement, Project management, Product development, Manufacturing systems engineering or System analysis and synthesis. Sustainable development including environmental resource economy and techno-economical optimization is another field where the successful candidate may be active. Industrial experience is also desired.*
- *It is expected that the professorship should support the long and successful tradition of the university concerning research related spin-off companies as well as be active within some of our profile areas materials science, life science, energy engineering or medical engineering and technology.*

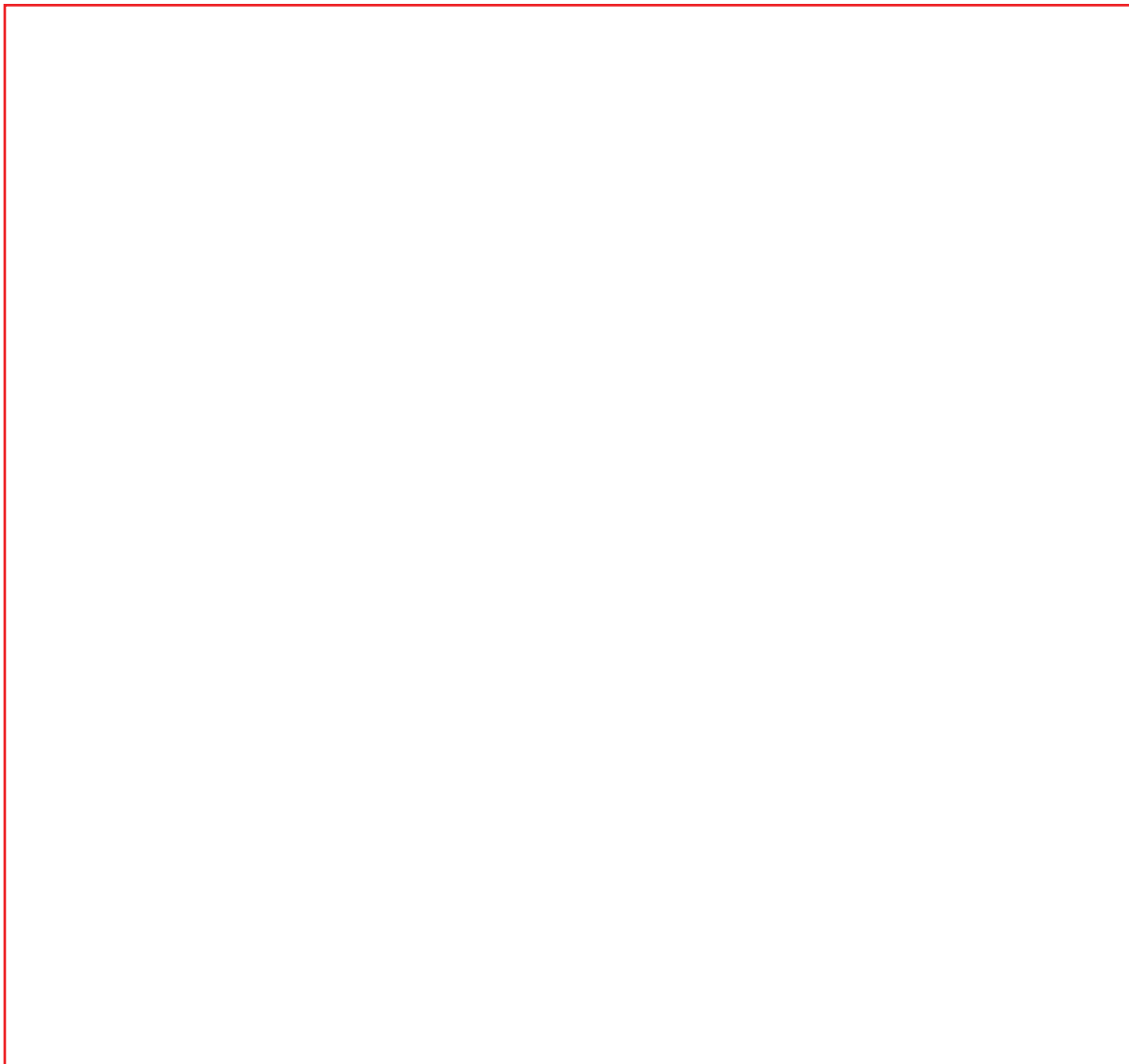
Qualifications required:

- *Eligibility criteria for employment as professor are scientific as well as pedagogic proficiency.*
- *The scientific proficiency should be demonstrated through independent research that significantly exceeds the qualifications required for the Swedish title of “docent”.*
- *Planning and leadership competence is important.*
- *The applicant must have the teaching proficiency required for the position and in addition, unless there are special reasons, formal pedagogical training relevant for the tasks associated with this position. The assessment of pedagogical proficiency will comprise planning, carrying out and evaluation of teaching as well as supervision and examination*
- *In filling this position the university aims to recruit the person who, in the combined evaluation of documented qualifications, competence and skills is judged the most suitable to carry out and develop the work-in-hand and to contribute to a positive development of the group and the department.*

Other proficiencies:

- *Administrative proficiency is important and will be considered. Administration skills are demonstrated through ability in overall operational planning, ability to organise and lead personnel and ability to cooperate.*
- *Ability to cooperate with the surrounding society and to inform the public about research and development work will also be considered. Ability to inform the public about research and development work is demonstrated by popular scientific activities, for example participating in extramural education, publishing popular scientific papers and participating in public discussions on topics of education and research.*
- *Participation in leadership and administrative roles involving responsibility for economics and personnel may be relevant.*
- *Experience of administrative duties, staff management and experience of economics and responsibility for personnel will be accorded weight.*
- *The ability to teach in Swedish or English is a requirement. The holder is expected to be able to teach in Swedish within two years.*

Below is a summary of the nine candidates and their qualifications.



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**Göran Wall** is 59 years and holds a Ph.D. in Physical Resource Theory, Chalmers University of Technology from 1986. The title of his thesis is "Exergy - a Useful Concept". He is Associate Professor (Docent) of Physical Resource Theory at Chalmers University of Technology since 1995. He has had a variety of positions over the years, for example, Göteborg University, Chalmers University of Technology, Mälardalen University, University of Karlstad, Kristianstad University and since July 2008, he is Professor of Energy Engineering at Gotland University.

Walls scientific expertise lies in the energy and environmental technology area. The scientific production includes about 25 papers published in international journals with good quality and over 30 conference papers, mainly in energy field. Wall has been very active in the scientific world and has many expert assignments, guest lectures, Chairman of the sessions at conferences, he has led several international research projects and has been active as a reviewer for various journals. He has also written a large number of reports.

Wall expresses himself well in writing and has taught in both English and Swedish. His teaching portfolio and selection of educational work shows great maturity and experience of the teaching situation. He exhibits enthusiasm and have ideas to improve teaching further. With regard to the educational experience Wall has taught and developed a very large amount of courses in areas such as Energy, *Energy & Environment*, *Exergy*, *Human Ecology*, *Alternative Energy*, etc. He mentions more

than 40 courses he has taught in. However, he has not taught subjects that are mentioned as important for the chair as *engineering methods, technological innovation and technological entrepreneurship*.

Wall has received and has led numerous research projects from the Board for Technical Development, Energy Research Board, Forskningsrådsnämnden, Building Research Council, Energy Agency, NUTEK and Uppsala University.

Finally, as mentioned by Wall, he has been judged 2010 as qualified for a professorship in the field of *Energy Engineering Towards Renewable Energy Engineering* from Mälardalen University in 2010. The same is true for the area *Energy Engineering* in 2009, and *Human Ecology* 1994.

In conclusion, Wall has a solid experience in teaching in energy and environmental technology - his expertise is expected therefore to be excellent in these areas. He also has management experience, experience in project management and collaboration with industry. Regarding the assessment criteria, I think Göran Wall presents a very good experience of research in development and use of new technologies in energy and environmental protection. However, he has less experience in fields such as engineering methods, technological innovation and technological entrepreneurship. The ability to express himself in English and Swedish in speech and writing is considered good. His leadership skills, interpersonal skills and experience in working multi-disciplinary considered being very good. He has good experience in research and education at different Universities and in collaboration with various types of industries. This makes me believe that he is qualified for the advertised professorship.

***Summary statement:***

From the applications I consider that the following candidates are qualified for the considered position:

- Enrico Baraldi
- Rob Dekkers
- Marcus Lindahl
- Lars Pejryd
- Sofia Ritzén
- Göran Wall

According to the qualification criteria for the position, it is the candidate who, after an overall assessment of documented qualifications, expertise and skill, is deemed to be best placed to implement and develop the current tasks and contribute to the positive development of the business must come first.

After going through the merits of the applicants and relating them to the defined criteria, I think it is many of them that are excellent candidates for this professorship. I choose here to identify the four most interesting: *Rob Dekkers, Marcus Lindahl, Enrico Baraldi* and *Sofia Ritzén*.

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