



Chairman of Danvak Lars Sønderby Nielsen had the pleasure of presenting the winner of the Fanger's Award - Ana Ionesi - with a diploma and a cheque for the amount of DKK 25,000 at the HVAC conference "Danvak Day", held on 15 April.

## Ana Ionesi is this year's winner of the prestigious Professor Fanger's Award

Not an empty seat was available at the conference Danvak Dagen when PhD student Ana Ionesi received Professor Fanger's Award before 160 conference participants.

– ZOSIA LAV, Communications Manager, Danvak

Photos: Michael Boesen

According to tradition, the Professor Fanger's Award was presented to a promising young PhD student at a ceremony at the annual conference Danvak Dagen which this year took place on 15<sup>th</sup> April in Copenhagen, Denmark.

This year's award winner is the Romanian Ana Ionesi who received the honour and a cheque for 25,000 Danish Kroners for the research project "Modeling of Building Energy Dynamics". Ana Ionesi is a PhD student at

University of Southern Denmark, where Christian Veje is her dissertation supervisor. He wrote, inter alia, in his nomination:

"Ana possesses eagerness and dedication in her studies and has a strong will to learn. I have always found it pleasant to work with her and she has excellent communication skills. From September 2012 to June 2013 she worked for the final master project in close collaboration with Danfoss, having me as a supervisor, on optimizing the ECL controller for the heating instal-

### Modeling of Building Energy Dynamics

The project aim is to investigate the possibility of using energy simulations during building operation in order to increase the overall energy performance. Building models to be used for real time simulations, energy predictions and dynamic control must be delivered.

lation by adding artificial intelligence and creating a self-adaptive system. Due to this master thesis she obtained the highest grade and won the Project Award Contest sponsored by BHJ Foundation, Sønderborg, and a plaque on the wall of fame at SDU. She demonstrated excellent performance in presentation skills and especially a good ability to present complicated material in a comprehensive way.

Ana has shown a top level academic performance and as a consequence of this I have engaged her as a PhD student in my group. She started her project on Model Based Analysis of Building Energy Dynamics covering all energy aspects of residential or commercial buildings. The ultimate goal is to create a simulation-assisted control in building energy management systems, by interfacing the physical model with advanced climate control systems.”

When asked how she received the good news about the award, she answered modestly: “I did not expect to get the award. I was very happy to hear the great news and it was a pleasant surprise for me.”

Professor Fanger’s Award is earmarked for the PhD student’s expenses in connection with study tours and Ana Ionesi already knows how she will use the funds: “In September I have to start my change of research environment to Lawrence Berkeley National Laboratory, in California. I will make use of the award to pay part of the accommodation costs which are extremely high in Berkeley. “

Ana Ionesi expects to finish her PhD project in March 2017. Danvak wishes Ana Ionesi good luck with her studies and a fruitful trip to California. ■

Ana Ionesi presenting her ph.d. project “Modeling of Building Energy Dynamics” after receiving the prestigious Professor Fanger’s Award.



## Professor Fanger’s Award

- established by Danvak in 2001 and named after the late Dr. Povl Ole Fanger, professor in indoor environment at Technical University of Denmark (DTU)
- managed and financed by Danvak and given to a promising young PhD student conducting research in the areas of Indoor Environment and Energy
- Award sum of 25,000 DKK. The amount to be used for studies abroad.

Povl Ole Fanger (July 16, 1934 - September 18, 2006) was a professor at DTU, where he conducted research in the field of thermal comfort and perception of indoor environment.

Professor P.O Fanger was one of the most renowned Danish scientists and was counted as the leading researcher in the world in his field. He succeeded in receiving 79 honours from 27 countries, including 15 honorary doctorates at foreign universities. In 2005 he became an honorary member of the Danish Society of Engineers (IDA).

Fanger was employed at DTU from 1959 until his death. When in 2004 he officially retired, he continued as a senior professor at the International Centre for Indoor Environment and Energy, which he had helped to establish.

## Memorandum of Understanding between Eurovent and REHVA

Eurovent, the European Committee of HVAC&R Manufacturers and REHVA, the Federation of European Heating, Ventilation and Air-conditioning Associations have signed a Memorandum of Understanding (MoU) on Thursday, 28 May 2015. The two associations are devoted to intensify and strengthen their long-standing partnership, bringing Europe's HVAC&R engineering, R&D and manufacturing sectors closer together while making effective use of synergies.

The MoU was signed by REHVA Secretary General Jan Aufderheijde and Eurovent Secretary General Felix Van Eyken. REHVA and Eurovent commit themselves to formalise their relationship by becoming member/supporter of each other's associations. They explore the option of sharing resources and, where feasible, secretarial services. Furthermore, they have agreed to advocate, promote and regularly participate in each other's key events, to exchange articles and material to be used within each other's PR activities, and aim to jointly increase contacts with the EU and international institutions.

According to REHVA Secretary General Jan Aufderheijde, 'the MoU



marks an important step in bringing two truly European associations that have a similar structure and share similar industry ideals even closer together'. The Eurovent Secretary General Felix Van Eyken added that 'none of our two associations can be active in each single

field. Many European legislations touch both REHVA's and Eurovent's areas of expertise, which calls for a more intensive and active cooperation. Van Eyken added that REHVA, as a member of Eurovent's new 'supervisory body', would receive an active role in all energy performance of building related issues.

Both organisations constitute the leading European representatives in their respective fields. With the manufacturing (Eurovent) as well as engineering, research and development (REHVA), they represent two areas that increasingly coalesce. Together, they support energy efficient solutions while acknowledging the importance of a healthy indoor environment. ■

## New Chairman for Danvak

– ZOSIA LAV, Communications Manager, Danvak



In addition to the title of Business Development Director at Schneider Electric, Lars Sønderby Nielsen can now add the title of Chairman of Danvak

– The Danish Society of Heating, Ventilation and Air Conditioning – to his business card. This happened when Danvak elected its new chairman at the Annual General Meeting held on the 27<sup>th</sup> of March.

Lars Sønderby Nielsen, who has been a member of the Board of Directors since 2011, says about his newly acquired chairmanship:

"I look forward to continuing the work of the Board. We have launched many exciting initiatives, including a new forward-looking strategy for the Society. In short, the aim is to ensure that

we are continually relevant for our members and can always offer exactly what is needed in order that our members may be abreast of HVAC development. In addition, Danvak offers a unique combination of continuing education and network, while our field of work occupies an increasingly pivotal role in society. This fact gives us an extremely good point of departure for future work."

Lars Sønderby Nielsen holds a Master degree in engineering from Technical University of Denmark (DTU) and an MBA in General Management from Copenhagen Business School (CBS). ■