



# Ordinary General Meeting 2017

## Scandinavian IAPWS Committee

### Minutes of the meeting

#### Program

Time	Item	Responsible/speaker
9:45-11:00	General meeting	SIAPWS Committee
	1. Election of moderator and clerk of minutes	
	2. Annual report of the chair	
	3. The financial situation	
	- Report of the financial situation	
	- Membership fee for 2017	
	4. Election of members of the committee	
	Karsten Thomsen and Roger Lundberg are on election according to schedule.	
	5. Election of an auditor	
	6. Authorisation of the leader of the SIAPWS delegation to the next annual IAPWS meeting in Japan, September 2017	
	7. Proposals from the members	
11:00-11:10	Short break	
11:10-11:30	Orientation on IAPWS and SIAPWS activities	Karsten Thomsen
11:30-12:00	The Water Chemistry Network	Karsten Thomsen
12:00-12:30	Lunch – sponsored by SIAPWS	
12:30-14:30	Workshop – member contributions	
	1. Evaporation unit for treatment of concentrate from flue gas condensate - currently in operation at Täby Fjernvärme	Hampus Belander
	2. A view on the development of treatment of flue gas concentrate from the first step to the present stage. The most important steps and gained experiences.	Roger Lundberg
	3. Brista's flue gas condensate treatment, developments to reach the present stage	Sara Sjögren
	4. Members Contribution(s)	Karsten Thomsen
14:30-16:00	Plant visit	Sara Sjögren
~16	Goodbye	

The meeting was kindly hosted by Brista CHP, and the SIAPWS Committee would like to express our gratitude for the hospitality, the presentation and the plant visit by Sarah Sjögren.



The annual report of the Chair concluded that 2016 was an active year with the introduction of the SIAPWS Water Chemistry Network. The network directly follows up on the discussion at the 2016 annual meeting on how best to promote transfer of knowledge from old to young colleagues and share experiences in general.

On the international front, the IAPWS meeting in Dresden in September 2016 was very successful with release of new Technical Guidance Documents and intense discussion and work in the Power Cycle Chemistry subgroup. SIAPWS is involved in the preparation of two of the upcoming Technical Guidance Documents.

The finances of SIAPWS in 2016 has improved the net balance to 136.000 DKK, because the income from the member fees was substantially higher than the expenses. It is important to save up money for the next international meeting to be hosted by SIAPWS within the next decade. To make this event accessible for as many participants as possible, it must be sponsored by the organising IAPWS member.

The member fees stays the same in 2017 as in the previous years, i.e.

Group member	Company with several plants, 4 or more participants	Fee: 2000 €/year
Company member	Company with few plants, up to 3 participants	Fee: 300 €/year
Institution	University, research company	Fee: 100 €/year
Personal member	Small company, private person, one named participant	Fee: 50 €/year

Karsten Thomsen and Roger Lundberg were on election for the Executive Committee according to schedule. Both were re-elected for the coming two-year period. Jørgen Peter Jensen had to withdraw from the committee, and Monika Nielsen were elected instead. Both are employed by Dong Energy that is the only organisation besides Matarvattensektionen paying the group member fee. This naturally entitles to a seat in the committee.

Anders Fredrikson, Tekniska Verken, Linköping, continues as auditor for the financial account. Karsten Thomsen was elected as leader of the SIAPWS delegation at the next annual meeting in Kyoto, Japan, in late August. The participation of ordinary SIAPWS members in the IAPWS and PCC meetings was discussed. The SIAPWS Committee strongly recommends this as a fine opportunity to learn at the highest level and expand one's network among leading specialists. The recommendation in written form is attached in the appendices.

After these formal points of the agenda, Karsten Thomsen presented an account of the IAPWS meeting in Dresden and summarised the thoughts behind the SIAPWS Water Chemistry Network.

The workshop consisted of three very interesting presentations.

Hampus Belander presented the experiences with an evaporation unit for the concentrate from treatment of flue gas condensate. This makes it possible by simple means to concentrate the salts in the reject further and to saturate the combustion air for the boiler.

Roger Lundberg told about the development of the water treatment for flue gas condensate over the last decade or so. He summarised the changes in technology over time and the experiences gained to reach the present stage.

Lastly, Sarah Sjögren summarised the flue gas condensate treatment at Brista CHP and the changes that it had undergone to reach the present well-functioning condensate treatment plant.

25 April 2017



The meeting ended with a plant visit to the new Brista plant with Sarah Sjögren as a competent guide.

#### Appendices

1. The annual report of the Chair
2. The financial account of 2016
3. Recommendation of participation in IAPWS meetings
4. Karsten Thomsen: Update on IAPWS and SIAPWS
5. Karsten Thomsen: Update on Water Chemistry Network
6. Hampus Belander: Evaporation unit for treatment of concentrate from flue gas condensate - currently in operation at Täby Fjernvärme
7. Roger Lundberg: A view on the development of treatment of flue gas concentrate from the first step to the present stage. The most important steps and gained experiences.
8. Sarah Sjögren: Brista's flue gas condensate treatment, developments to reach the present stage

Kind regards

The SIAPWS Committee

Karsten Thomsen, Chair	<a href="mailto:knth@cowi.dk">knth@cowi.dk</a>	+45 2787 5744
Monika Nielsen, Secretary	<a href="mailto:moneb@dongenergy.dk">moneb@dongenergy.dk</a>	+45 9955 7726
Kaj Thomsen, Cashier	<a href="mailto:kth@kt.dtu.dk">kth@kt.dtu.dk</a>	+45 4157 2622
Roger Lundberg, Coordinator	<a href="mailto:roger@rlaqua.com">roger@rlaqua.com</a>	+46 720 104665