



Ordinary General Meeting 2019

Scandinavian IAPWS Committee

Minutes of the meeting

Program

Time	Item	Responsible/speaker
10:00-10:30	Welcome to SIAPWS Annual Meeting 2019 incl. morning coffee	Arja Lehtikoinen and Jere Espo
10:30-11:30	General meeting <ol style="list-style-type: none"> 1. Election of moderator and clerk of minutes 2. Annual report of the chair 3. The financial situation <ul style="list-style-type: none"> - Report of the financial situation - Membership fee for 2019 4. Election of members of the committee Karsten Thomsen (Chair) and Roger Lundberg (Vice-chair) 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 Banff, September/October 2019 7. Proposals from the members 	SIAPWS Committee
11:30-11:50	Short break	-
11:50-12:10	Orientation on IAPWS and SIAPWS activities	Karsten Thomsen
12:10-12:30	SIAPWS National Groups <ul style="list-style-type: none"> • SIAPWS Danmark • SIAPWS Suomi • Matarvattensektionen 	Monika Nielsen Arja Lehtikoinen Roger Lundberg
12:30-13:30	Lunch – sponsored by SIAPWS	-
13:30-16:45	Workshop – <ol style="list-style-type: none"> 1. Inspection of a filled hot water storage tank 2. District heating water quality 3. Membrane contactors for degassing liquids 4. Initial ideas on a TGD for Flue Gas Condensate treatment 	Monika Nielsen, Ørsted Thomas Dalsgaard, Silhorko Ville Rantanen, Teollisuuden Vesi Karsten Thomsen, COWI
16:45-19:00	Time off ☺	
19:00-?	Dinner in Helsinki. Venue: Ravintola Carelia, Mannerheimintie 65 https://ravintolacarelia.fi/en/home/#story	Arja Lehtikoinen



1. Election of moderator and clerk of minutes

Moderator: Jere Espo

Clerk of minutes: Monika Nielsen

2. Annual report of the chair

Karsten went through the annual report (see Appendix 1).

2018 has been a very active year:

- Good annual meeting at Söderrenegi AB, Igelstaverket in 2018 with app. 16 participants
- EC workshop in Helsinki, Finland, where challenges with the Nordic collaboration was discussed.
- It was decided to establish national subgroups, with Matarvattensektionen representing Sweden, and establish two new national groups, SIAPWS Suomi and SIAPWS Danmark.
- 2018 has been the year where the two new national subgroups have been established.
- There have been two Online courses in 2018, and we have achieved a balance between the cost spent on the courses and the income from the participant fee.
- ICPWS-17 2018 in Prague. SIAPWS had prepared two sessions on flue gas condensate and the re-use of condensate, which was a great success.

3. The Financial situation

Report of the Financial situation

SIAPWS Cashier (Monika Nielsen) went through the financial situation (see Appendix 2).

SIAPWS pays for the Chairperson attending the IAPWS annual meeting.

We must save money for arranging the annual IAPWS meeting at some point in the future. The next time for SIAPWS to host the annual IAPWS Meeting could be in 6-7 years.

The Financials was approved by the members.

Membership fee for 2018

The EC suggests changing the concept of SIAPWS, so that the contributions to SIAPWS only comes from Sweden (Matarvattensektionen), Finland (SIAPWS Suomi) and Denmark (SIAPWS Danmark).

The membership fee for SIAPWS will be the following, for the three countries.

Matarvattensektionen:	60.000 SEK (5592 EUR)
Finland:	4500 EUR
Denmark:	4500 EUR



Budget proposal for SIAPWS

Main group	Subtopic	Remark	Budget (€)	Budget (DKK)	Budget (SEK)
Membership & funding	Member fees	Sweden	5592	42274	60000
Membership & funding	Member fees	Denmark	4500	34020	
Membership & funding	Member fees	Finland	4500	34020	
Membership & funding	Member fees	Group members	2000	15120	
Membership & funding	Due fees	IAPWS	-3400	-25704	
Membership & funding Total			13192	99730	60000
Administration	Secretarial assistance		-1000	-7560	
Administration	Electronic media		-1000	-7560	
Administration Total			-2000	-15120	0
Meetings	Meeting fees		0	0	
Meetings	Meeting expenses		-1200	-9072	
Meetings	Travel costs IAPWS		-3300	-24948	
Meetings	Travel costs SIAPWS		-1000	-7560	
Meetings Total			-5500	-41580	0
Courses	Course fees		8500	64260	
Courses	Course preparation		-7940	-60026	
Courses	Course expenses		-500	-3780	
Courses Total			60	453,6	0
Grand Total			5752	43484	60000

The Fee for the Matarvattensektionen will be finally decided at the annual meeting of the Matarvattensektionen on 8 May 2019.

In the present SIAPWS setup it is possible to be a private member and an institutional member. This possibility will be discussed in the subgroups if it should be kept as a possibility.

The proposal was accepted by the members.

4. Election of members of the committee

Monika Nielsen (secretary and cashier, Ørsted, DK), Nicklas Berg (Söderenergi, SE) and Arja Lehtikainen (Valmet, FIN) were not on election, and continues one more year.

Karsten Thomsen (Chair, COWI, DK) and Roger Lundberg (Vice Chair, RL AquaConsulting, SE) were both on election according to schedule. They were both re-elected as EC members for the coming two years.

Jere Espo (Maintpartner Oy, FIN) was elected as the second Finnish member of the EC for the coming two years.

5. Election of an auditor

Anders Fredrikson from Tekniska Verken, Linköping, was re-elected as auditor (in absentia).

6. Authorization of the leader of the SIAPWS delegation to the next annual IAPWS meeting in Banff, September 2019

Karsten Thomsen was elected as leader of the SIAPWS delegation at the next annual IAPWS meeting in Banff, Canada 2019 in the end of September.



7. Proposals from the members

Non.

8. Orientation on IAPWS and SIAPWS activities

Karsten introduced SIAPWS/IAPWS.

The Online courses will continue in 2019 and will be held in English.

The SIAPWS Annual Meeting will be kept in English.

Introduction to IAPWS and the IAPWS website. www.IAPWS.org

The IAPWS Technical Guidance Documents (TGD) <http://www.iapws.org/techguide.html>

Karsten introduced the current work on the TGD on Corrosion Product Sampling. A Master Student is doing her Master thesis in an international collaboration between Denmark, Britain and Australia, where she investigates online measurements of corrosion products in different plants in the three countries.

9. Introduction to the national subgroups:

SIAPWS Danmark

Monika presented the work done so far in establishing the SIAPWS Danmark group

Founding Meeting was held on 7. March at Silhorko EUROWATER, where 35 people participated representing app. 23 companies in the Danish Heat and Power Industry.

The EC members of SIAPWS Danmark are:

- Monika Nielsen, Ørsted A/S (Chair)
- Karsten Thomsen, COWI
- Thomas Dalsgaard, Silhorko EUROWATER
- Henrik Rostgaard, Amagerværket
- Ivan Lilleng, Faxe Forsyning

Now 24 companies want to be a member.

The annual member fee will be 3500 DKK (approx. 470 EUR)

SIAPWS Suomi

Arja presented the work done so far in the SIAPWS Suomi group

Founding meeting has been held in 2018, and the first official meeting has been held in February 2019.

The EC members of SIAPWS Suomi are:

- Arja Lehtikoinen, Valmet (Chair)
- Jere Espo, Maintpartner Oy (Vice Chair)
- Susanna Vähäsarja, Elomatic (Secretary)
- Jani Vuorinen, Vesi-Ihminen (Cashier)
- Martti Ikonen, Endress+Hauser (Member)
- Nuutti Lehtikuja, Teollisuuden Vesi (Web-master)



30 companies present at the founding meeting, including workshop.

47 interested companies

Questionnaire to the members with request or hope for the SIAPWS Suomi

Visit at Endress+Hauser

The annual fees in SIAPWS Suomi will be the following:

- Privat person: 60 EUR/year
- Company < 50 employees, turnover < 10mEUR, 300 EUR/year
- Company > 50 employees, turnover > 10mEUR, 600 EUR/year
- Larger companies, 2000 EUR/year

Matarvattensektionen

Roger Lundberg (consultant, chair of Matarvattensektionen) presented the work done in the Swedish Matarvattensektionen.

Matarvattensektionen has existed since 1986 and has arranged the Matarvattenkonferensen ever since.

This year's Matarvattenkonferensen will be held on 6.-7. November 2019 in Stockholm.

Annual Member fee is 2800 SEK (250 EUR), and there is just one type of fee.

107 members (mix of power plant people (50 %) and consultant and providers (50 %))

10. Workshop

The workshop consisted of 4 very interesting presentations. The main topic of the workshop was district heating.

Monika Nielsen from Ørsted in Denmark went through the experience with inspection of a hot water storage tank using a robot (see Appendix 3).

Thomas Dalsgaard from Silhorko EUROWATER presented the Danish District Heating recommendation for water chemistry (see Appendix 4).

Ville Rantanen, Teollisuuden Vesi presented the use of a membrane contactor for the removal of CO₂ from makeup water (see Appendix 5).

Karsten Thomsen, COWI introduced the first thoughts of an IAPWS Technical Guidance Document on Flue Gas Condensation and re-use of the condensate (see Appendix 6).

Ref. remark: This is an open invitation to take part in the process, so please join by sending an email to Karsten (knth@cowi.dk) if you are interested. The proposal is to establish a small group (4-8 persons) that writes the draft documents and a larger group for review and comments. All will be invited for one or two on-line workshops, and the larger group will be asked to comment documents with approximately one week's response time.

11. Plant visit

On 20. March, we visited Vantaan Energia Waste Incineration Plant.



12. Appendices

1. The annual report of the Chair
2. The financial account of 2018
3. Monika Nielsen: Inspection of a filled hot water storage tank using a robot
4. Thomas Dalsgaard: District heating water quality
5. Ville Rantanen: Membrane contactors for degassing liquids
6. Karsten Thomsen: Initial ideas on a TGD for Flue Gas Condensate treatment

Kind regards

The SIAPWS Committee

Karsten Thomsen, Chair	knth@cowi.dk	+45 2787 5744
Roger Lundberg, Vice chair	roger@rlaqua.com	+46 720 104565
Monika Nielsen, Secretary, Cashier	moneb@orsted.dk	+45 9955 7726
Niklas Berg, member	niklas.berg@soderenergi.se	+46 76 803 3569
Arja Lehtikoinen, member	arja.lehtikoinen@valmet.com	+358 40 868 4025
Jere Espo, member	Jere.Espo@maintpartner.com	