



SIAPWS annual report for 2017

The annual meeting 2017 took place at Brista CHP and was successful with around 20 participants, good discussion and interesting presentations. It was interesting to learn about Brista's steps towards a flue gas condensate rinsing process that could actually fulfil the demanding environmental limits and to visit the plant afterwards. The discussion focused on the introduction of the SIAPWS Water Chemistry Network.

This network has been the focus point of many EC meetings during the year. We have tried to promote it best possible, but with somewhat limited success. The first on-line courses on the interconnection between corrosion and water chemistry was held in late spring and repeated in September. On both occasions, a handful participants took part and there was room for more. The evaluation of the course was good, so we believe that the content and the form of it was OK.

The SIAPWS delegation at the IAPWS annual meeting in 2017 in Kyoto, Japan, consisted of three persons. It was an interesting week both from the cultural and technical viewpoint. The Japanese hosts did a splendid job and proved great hospitality. The Power Cycle Chemistry (PCC) workshops were focused on the Technical Guidance Documents (TGDs), but some presentations were of more general interest.

Jørgen Peter Jensen told about Ørsted's struggle with the local authorities in South-Denmark to get permission to discharge superfluous rinsed flue gas condensate to recipient, in this case Kolding Fjord. Although the treatment of the flue gas condensate by ultrafiltration and reverse osmosis leads to water cleaner than drinking water with respect to heavy metals and organics, the authorities hesitate and drags the assessment of the application over years.

China is a new associated member of IAPWS and was represented for the second time. Xiaoni Zhang from the Chinese Electrical Power Institute presented experiences with zero-discharge techniques for coal-fired power plants with desulphurisation plants. The Chinese have tested three different approaches in full scale, i.e. implemented the techniques at three different test sites.

In the fall, the SIAPW Chair (Karsten) was on a promotion tour in Finland to tell about the work in SIAPWS and IAPWS and invite the Finnish colleagues to become a part of this cooperation. The occasion was a meeting in the Finnish VGB Chemistry Group, and the members present were positive towards SIAPWS.

At the Matarvattenkonferensen in November in Stockholm, SIAPWS gave two presentations, one informing about the activities and the other of more general character.

The membership has increased with 5 companies in 2017, and at least 6 will join 2018 leading to nearly 30 in total.

Executive Committee

Chair Karsten Thomsen
Vice-chair, coordinator Roger Lundberg

Cashier Kaj Thomsen
Secretary Monika Nielsen