



# Green Hydrogen Challenges and Solutions

## Swiss IEEE PELS & ABB Workshop

On behalf of ABB and IEEE Power Electronics Society (PELS), I would like to invite you to join the **Swiss IEEE PELS and ABB Tech Talk: Green Hydrogen Challenges and Solutions** on Friday, 15 March 2024 from 13:00-17:00 in Baden-Dättwil. The agenda can be found below:

**13:00 – 13:10: Welcome**

**13:10 – 14:40: Talks**

**Talk 1:** by Dr. Nandhakumar Vijayakumar, Mr. Kevin Pretorius ABB High Power Rectifiers, Switzerland – “Electrical infrastructure of large-scale green hydrogen production plant – Opportunities & challenges”

**Talk 2:** by Dr. Sajjad Fekriasl, IEEE Senior Member, UK – “Analogue vs digital inertia for stabilization of green hydrogen microgrids”

**Talk 3:** by Dr. Stefan Oberholzer, Swiss Federal Office of Energy, Switzerland – “Hydrogen in Switzerland – a brief update”

**Talk 4:** by Dr. Saurabh Tembhone, SoHHytec, Switzerland – “Solar hydrogen production: a versatile and flexible way towards cost-optimization and grid-integration”

**Talk 5:** by Dr. Thomas Delaney, HyWaves, UK – “Green hydrogen: Methods of production and its role in the energy mix”

**14:40 – 15:30: Panel discussion with speakers**

**15:30 – 17:00: Networking apero**

As the world races to decarbonize, green hydrogen has a key role to play as a fuel for the future and a leading option for storing energy. Producing green hydrogen also comes with certain challenges. Join ABB and the IEEE Power Electronics Society as our experts delve deep into the challenges of green hydrogen and how the current solutions can help with adaptation and usage. The talk will be followed by networking and refreshments.

### Speakers

**Dr. Stefan Oberholzer** Swiss Federal Office of Energy  
**Dr. Saurabh Tembhumne** SoHHytec

**Dr. Thomas Delaney**  
HyWaves, UK

**Dr. Nandhakumar Vijayakumar**  
ABB



### Practicalities

This event is free to attend, however space is limited so [please register early using this link](#) to avoid disappointment.

The event takes place at **ABB Baden-Dättwil, Segelhofstrasse 1K, 5400, Baden**, parking is available on-site. Light refreshments will be served after the talk.

We look forward to welcoming you here at ABB Baden Dättwil. Kind regards,