



**UNIVERSITÉ  
DE GENÈVE**

Université de Genève, 66 Boulevard Carl-Vogt, 1205 Genève.  
Tél : 022 379 06 46 | Web : [www.unige.ch/sysener](http://www.unige.ch/sysener)

SÉMINAIRE ÉNERGIE – ENVIRONNEMENT  
Conférences 2025 - 2026

**The Bottleneck Isn't the Grid — It's the Prosumer**  
*Enjeux d'intégration du photovoltaïque dans le réseau électrique.*

**Christof Bucher**  
*Haute école spécialisée bernoise (BFH)*

**Jeudi 19 mars à 17h15**

Université de Genève  
66 Boulevard Carl-Vogt, 1205 Genève  
Salle 1 (rez-de-chaussée)

**Conférence en présentiel suivie d'un apéritif**

Diffusion en direct avec Zoom : <https://unige.zoom.us/j/66272209617>  
ID de réunion : 662 7220 9617  
Code secret : 305678

*Ces informations sont disponibles sur notre site [www.unige.ch/sysener](http://www.unige.ch/sysener)*

## **L'orateur**

Christof Bucher studied electrical engineering and information technology at ETH Zurich and KTH Stockholm. From 2008, he worked for 12 years as a photovoltaic planner at Basler & Hofmann, where he also wrote his dissertation on the grid feed-in of solar power. Since 2020, he has been working as a professor for photovoltaic systems and heads the PV laboratory at Bern University of Applied Sciences.

Christof Bucher is active on various standards committees and heads the Swiss PV standards committee CES TK 82 and the technical commission PV of Swissolar.

## **La conférence**

The expansion of photovoltaics requires a massive expansion of distribution networks, especially at lower voltage levels. This is repeatedly claimed by executives in the grid industry. However, this statement is based on two false assumptions: 1) PV systems cannot be controlled, and 2) grid expansion would help to manage overproduction. This presentation shows why grid expansion does not usually help with PV integration and what would really help.