



# Sascha Lindig

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My academic background was always dominated by solar energy. Right from the start I believed that for me personally, but also for the world, photovoltaics would be a good path for a brighter and sustainable future. This initial feeling has taken hold of my professional but also private life ever since. My bachelor and master studies dealt with renewable energies and solar energy in particular. After studying, I wanted to gain some practical experience in different solar related fields to explore where I could put my knowledge to good use. Through internships, courses and traineeships I got to know many related fields such as cell manufacturing, performance testing, alternative cell concepts and reliability.

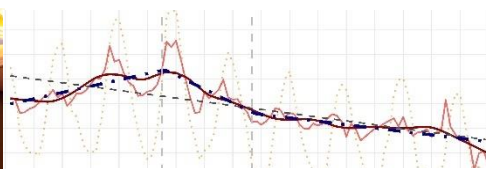
Through Solar-Train I had access to tools, worked in an environment and had the time needed to start a career in solar reliability, a topic, I see myself in the future. I was lucky enough to be introduced to a network of experts whom I could learn from and who acknowledged me as a scientist.

Through several conferences and workshops I was able to present my work and share knowledge to raise awareness of the necessity of a good understanding of reliable PV system degradation studies.

The state of the art of performance studies of PV systems assumes a linear behaviour. The main focus of my work was to rate common practices, to understand the actual behaviour better and to develop an algorithm which describes the performance evolution of PV systems in greater detail.



Presentation at PV Performance Modelling and Monitoring Workshop China 2019



Application of self-developed algorithm on performance of PV system which automatically divides performance into adequate number of sub-trends

It is true that a PhD does require hard work and endurance, but this is just one side of the medal. The other side, especially if you are part of a network such as Solar-Train, tells a story of shared hardships, supportive interactions, fruitful discussions and a sense of belonging to something bigger.

## My Solar-Train story

**“Don’t just follow the path of least resistance, take a look around and grasp any given opportunity.”**

I am lucky enough to call most researchers in the Solar-Train network not just colleagues but friends. Additionally, the MC fellowship opened doors to other consortia such as Task 13 or Pearl-PV, through which I received a lot of help and where I was able to make a contribution to the field.

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