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FME SOLAR Newsletter #5

Thanks to everyone for contributing to our work plan process - the plan is now complete and has been approved by the executive board. In this newsletter, you'll find a first call for abstracts for next years solar cell conference, links to the first two published FME SOLAR papers, and more webinars, including info on a webinar series from UiO on the Law of Energy Market Design. Remember to sign up for the webinars to ensure the Teams invite find its way to your calendar!

[Go to our website](#)

From the centre director



This is the final newsletter in 2025 from the Norwegian PV research centre (FME SOLAR). A productive first year is approaching the end and the final results and deliverables are being finalized by centre colleagues around Norway. The FME SOLAR 2026 Work Plan has now been approved by the Executive Board, and we look very much forward to a new busy and exciting year after the holidays. In this newsletter, you will find information regarding two upcoming webinars. On December 9th, we will learn about the impact of snow on PV systems and on December 16th get an introduction to the 1st FME SOLAR Roadmap. You will also find the first call for papers for the upcoming Norwegian Solar Cell Conference 2026, which takes place in beautiful Son on May 19th and 20th. This will be one of the most

important meeting places for the domestic PV community next year, make sure to register in time! In this newsletter, you will also find some information regarding the first two published papers involving FME SOLAR researchers. I hope we all are able to finalize our work as planned this year, and that we all get a well-deserved vacation before we start anew in 2026!

Webinars

Our webinars continues into the end of the year, with a webinar on Nordic conditions (suitably set to December), and the launch of our very own roadmap. Information on another webinar in the PV + BESS line-up in December will be sent out separately. Remember that if you are unable to join a webinar, recordings are made available to all FME SOLAR partners on the FME SOLAR Teams site.



Impact of snow on PV systems

December 9th, 2025, 12:15 -13:00

This webinar will give an insight into how snow can impact PV systems. We will see how snow loss can be modelled, what factors influence snow loss, and how snow drift can affect PV systems.

[See program and sign up here](#)



The FME SOLAR PV Technology Roadmap

December 16th, 2025, 12:15 -13:00

In this webinar, Erik Marstein will present the first edition of the annual FME SOLAR PV Technology Roadmap. The Roadmap illustrates the main trends and opportunities related to the ongoing and anticipated further growth in the use of PV globally and in Norway. The webinar will be in Norwegian.

[See program and sign up here](#)

Webinar series from UiO: The law of Energy Market Design

This seminar series explore central legal considerations in relation to energy market design. It takes an international, EU and national law perspective to the many challenges that decarbonisation, digitalisation, decentralisation and democratisation of the energy sector pose to market design.

Previous webinars cover topics such as flow-based market coupling in the Nordics, European Union's legal framework governing capacity mechanisms and local flexibility markets. Some of the past webinars are also available online as recordings on the webinar website below. It is possible to sign up to receive info on future webinars.

[Go to webinar website here](#)

First call for abstracts: NSCC 2026

We wish you a warm welcome to two exiting days filled with presentations and discussions of recent scientific, technological, and industrial development, at next years Norwegian Solar Cell Conference, at Son Spa on the 19th and 20th of May. We will cover a breadth of topics, found [here](#). If you wish to present your work at the NSCC 2026

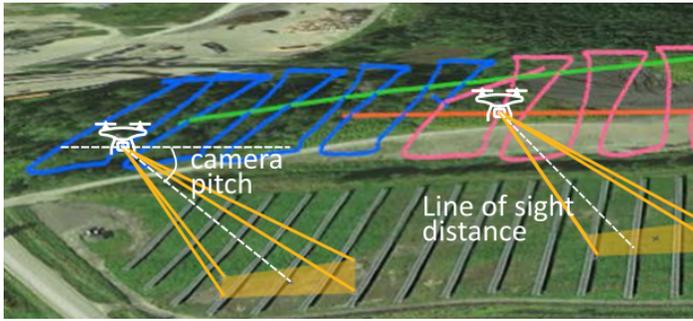
conference, a 1 page abstract written in English must be submitted to merete.estensen@ife.no by e-mail no later than **February 15th, 2026**.



Published papers

The first two papers through FME SOLAR have been published - congrats to Victoria Lofstad-Lie (UiO) *et al.* and Alfredo Sanchez (SINTEF) *et al.* !

In Lofstad-Lie's recent paper on [Data Quality Analyses for Automatic Aerial Thermography Inspection of PV Power Plants](#) she and her co-authors investigated how drone-based fault detection based on IR thermography of PV power plants can become more efficient by changing drone flight paths.



From paper: A sketch of the proposed two-level drone flight strategy for improving inspection efficiency.

The super-ellipse model simulate IV curves - and is essential for investigating how IV curves are affect by ie weather, which is needed in planning new PV plants. Sanchez' recent paper on [Parametrization of I-V characteristics of solar cells via asymptotics solutions of the super-ellipse model](#) propose analytical models that avoids complex numerical solutions.

Planning to publish an FME SOLAR paper?

Please send a notification to the FME SOLAR centre management team, and upload an early draft of your paper to Teams a minimum of 40 days prior to submission. Additionally, please add the FME SOLAR acknowledgement text to your papers. You can find the acknowledgement text as well as more detailed information on the publication procedures in the FME SOLAR Teams, in the channel "Publications".

Have you published a paper? Do you have new, exciting results from your work? Are you advertising (summer) jobs?

We would like to hear from you! We want to make both this newsletter and the FME SOLAR website as active and relevant as possible.

Therefore, news from our partners and colleagues are most welcome!

If you have anything to report, please send an e-mail to kristin.bergum@ife.no with more information.

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