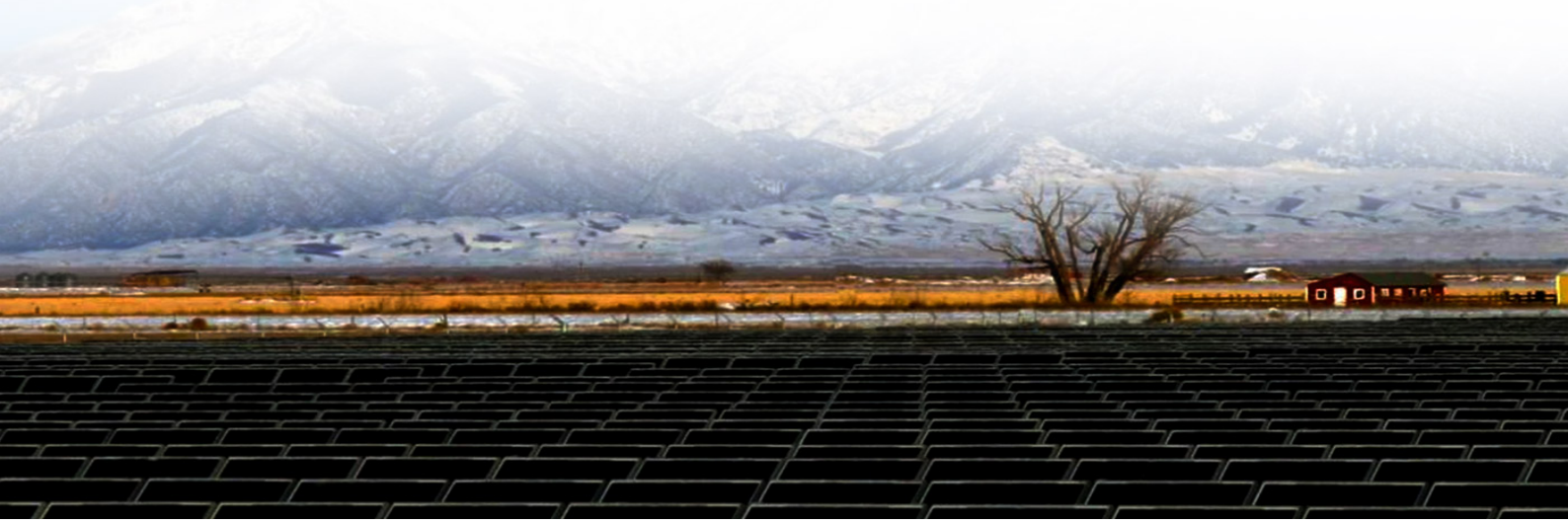
Helsinki solar Glass Layer Research and Development



Helsinki solar Glass Layer Research and Development

Thin Film Deposition Processes for Halide Perovskites

Expanding solar power into new application areas requires physical flexibility that brittle silicon cannot provide, creating opportunities for new solar cell materials. Over the last ...

HelsinkiALD , University of Helsinki

Our main research topic is Atomic Layer Deposition (ALD) but also other methods for thin film deposition and nanostructure preparation are studied. After starting in 1991, our group has ...

Atomic Layer Deposition as key enabler of scalable and stable

Our approach relies on atomic layer deposition (ALD), a unique method that enables the deposition of uniform films on large areas. The work will be done at the department of ...

ALD coatings for next-generation solar cells

Coatings produced through atomic layer deposition are used in roughly 30% of silicon-based solar panels. The ALD group headed by

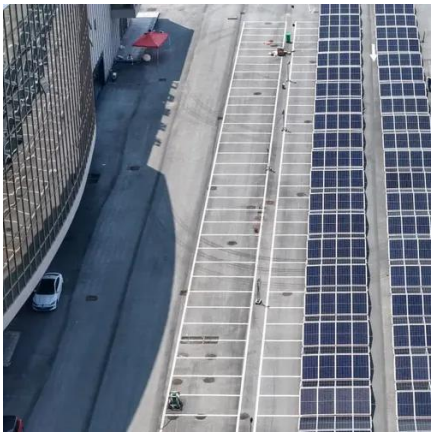
Professor Mikko Ritala at the University of Helsinki has ...

Atomic Layer Deposition as key enabler of scalable and stable

Equipment 1 results Title (ascending) HelsinkiALD Putkonen, M. (Manager), Ritala, M. (Manager), Mäntymäki, M. (Operator), Kemell, M. (Operator), Vehkamäki, M. (Operator) & Heikkilä, M. ...

Atomic layer deposition as a key enabler of ...

The most promising new solar cell technology is based on halide perovskites. The heart of the halide perovskite solar cell is a thin ...



University of Helsinki researchers are working on ALD coatings ...

Coatings produced through atomic layer deposition are used in roughly 30% of silicon-based solar panels. The ALD group headed by Professor Mikko Ritala at the University ...

News

ALD coatings for next-generation solar cells Researchers at the University of Helsinki are developing thin films needed in new types of halide perovskite solar cells, and ...

Atomic layer deposition as a key enabler of scalable and stable

The most promising new solar cell technology is based on halide perovskites. The heart of the halide perovskite solar cell is a thin film of light-absorbing material that has the ...

Atomic Layer Deposition as key enabler of scalable and stable

Atomic Layer Deposition as key enabler of scalable and stable perovskite solar cells

Thin Film Deposition Processes for Halide ...

Expanding solar power into new application areas requires physical flexibility that brittle silicon cannot provide, creating opportunities ...

Glass photonics meets photovoltaics: general principles and a ...

In this study, we present a promising combination of glass photonics and photovoltaics to develop more efficient types of solar cells.

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