



Nus solar energy research institute

Who is Solar Energy Research Institute of Singapore?

Solar Energy Research Institute of Singapore |10,937 followers on LinkedIn. SERIS is a research institute at the National University of Singapore(NUS). SERIS is supported by NUS,the National Research Foundation Singapore (NRF),the Energy Market Authority of Singapore (EMA) and the Singapore Economic Development Board (EDB).

Who is solar research & development?

SERIS commenced operations in 2008 and has emerged as one of the leading solar laboratories in the world. SERIS conducts research, development, testing and consulting on solar energy technologies and their integration into buildings and power systems.

What is solar energy research & development (R&D)?

SERIS conducts research, development, testing and consulting on solar energy technologies and their integration into buildings and power systems. The institute's R&D spectrum covers industrially relevant materials, components, processes, systems and services, with an emphasis on solar photovoltaic cells, modules and systems.

What is the Singapore solar centre?

The Centre aims to support the large-scale deployment of solar power in Singapore through raising awareness about solar energy as well as providing technical expertise to the public and private sectors. It will also host an online platform that can identify suitable areas for solar installations in Singapore, such as roof-tops.

Researchers at the newly launched REC@NUS Corporate R& D Laboratory for Next Generation Photovoltaics will develop and commercialise cost-effective ultra-high-efficiency large-area ...

On October 8, 2024, ESI had the pleasure of hosting a distinguished delegation from Fudan University. The delegation included Prof. WU Libo, Full Professor at the School of Economics and the School of Data Science, Vice Dean of the Big Data Research Institute, Fudan University, President of Shanghai Academy of AI for Science, and Dean of Shanghai Institute ...

This laboratory is located on levels 1 and 2 of the E3A building on the main NUS campus. Industrial tools with throughput of more than 100 wafers per hour are used to enable industry-relevant solar cell R& D using monocrystalline silicon wafers. Silicon Cleanroom Lab 1A Manual Batch Wet-Benches (MediaMac, Singapore) SERIS" batch wet-chemistry tools were ... Silicon ...

General Enquiries [seris-info@nus .sg](mailto:seris-info@nus.sg) Service Enquiries seris-services@nus .sg Mailing Addresses SERIS on the NUS campus National University of Singapore c/o Solar Energy Research Institute of Singapore Block E3A, #06-01 7 Engineering Drive 1 Singapore 117574 (+65) 6516 4119 (+65) 6775 1943 SERIS off-campus



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facilities National University of Singapore c/o ...

The REC@NUS Corp Lab will bring together complementary research expertise and talent from NUS and REC Solar, in partnership with the Nanyang Technological University, to facilitate Singapore's manufacturing of cost-effective high-performance tandem solar cell technologies. The project will comprise about 40 researchers and aims to train up to ...

This 190 m², class 100,000 cleanroom is dedicated to the fabrication and characterisation of perovskite solar cells, including advanced device integration such as perovskite mini-modules and perovskite based tandem solar cells and mini-modules. Several compartmental gloveboxes in the Perovskite Laboratory dedicated to various processes such as synthesis, deposition, ...

Leading a consortium of institutes and departments from the National University of Singapore (NUS) and the Nanyang Technological University (NTU), the Solar Energy Research Institute of Singapore (SERIS) has updated the "Solar PV Roadmap for Singapore", which it had originally published in 2014. The updated report covers the timeframe until 2030, with a projection until ...

Prof Armin ABERLE REC@NUS Co-Lab Director & Investigator CEO, SERIS, NUS Dr Shankar G. SRIDHARA REC@NUS Co-Lab Director CTO, REC Solar Dr Nitin NAMPALLI REC@NUS Co-Investigator Senior Research Fellow, SERIS, NUS Prof Subodh MHAISALKAR REC@NUS Investigator NTU REC@NUS Corporate R& D Laboratory for Next Generation Photovoltaics ...

The Solar Cell Measurement Laboratory focuses on measuring the solar cell efficiency, which is one of the most important parameters of solar cell devices. The lab is separated into two parts. The dark room houses a xenon lamp based steady-state solar simulator, a large-area spectral response measurement tool, and the area measurement tool. These are ... Photovoltaic ...

Mailing Addresses Solar Energy Research Institute of Singapore (SERIS) National University of Singapore (NUS) Block E3A, #06-01 7 Engineering Drive 1 Singapore 117574 (+65) 6516 4119 By car from the city: Drive along the Ayer Rajah Expressway (AYE) towards Jurong; exit at Clementi Road (AYE Exit 9); turn left; take the first left into the ... How to Reach Us (NUS) Read More »

SERIS" Electronics Laboratory is a general purpose workshop and laboratory space that enables research and development in areas including meteorological observations, PV system monitoring, power electronics, and programming of embedded systems. The following processing and testing equipment is available in this laboratory. General Purpose Workshop Mechanical and ...

The Solar Energy Systems (SES) Cluster focuses on making solar power a cost-effective and trusted source of electricity. The SES activities have a wide variety and span from remote monitoring to novel PV system deployments such as ...



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The Solar Energy Research Institute of Singapore (SERIS) at the National University of Singapore (NUS) is Singapore's national institute for applied solar energy research. It commenced operations in 2008. SERIS is supported by the National University of Singapore (NUS), the National Research Foundation (NRF) and the Singapore Economic Development Board (EDB).

SERIS is continuously expanding the range of services offered. Our clients range from government organisations to private companies. Services presently offered by SERIS are included under the areas of Photovoltaics, Solar Energy ...

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Yi Hou is a Presidential Young Professor in the Department of Chemical and Biomolecular Engineering at the National University of Singapore (NUS). He was appointed the Head of the Perovskite-based Multijunction Solar Cell Group at the Solar Energy Research Institute of Singapore in September 2020. Yi obtained his Ph.D. degree (SAOT scholarship) in Materials ...

Address: REC@NUS Corporate R& D Laboratory National University of Singapore, Solar Energy Research Institute of Singapore (SERIS) 7 Engineering Drive 1, Block E3A #06-01, Singapore 117574. For enquiries, please contact: Email: seris-info@nus .sg Tel: +65-6516 4119 REC@NUS Corporate R& D Laboratory for Next Generation Photovoltaics About us People ...

SERIS operates state-of-the-art laboratory facilities for: Characterisation of photovoltaics (PV) materials and devices Solar cell R& D Solar energy systems R& D PV module development and testing SERIS occupies approximately 5,160 m² of space in the E3A building on the main NUS campus, including offices, laboratories and laboratory support facilities. SERIS also rents ...

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