

Solar energy systems: research to advance solar energy resource assessment (solar radiation and weather data through satellite and ground measurements), and innovative solar thermal and ...

Solar energy is a crucial asset in the fight against climate change, and researchers at the University of Ottawa have devised a smart approach to optimize its effectiveness. Their innovative ...

Professor Hinzer joined the University of Ottawa in 2007 where she founded the SUNLAB, the premier Canadian modelling and characterization laboratory for next generation optoelectronic devices and ...

A laboratory in photonics and renewable energy at the University of Ottawa has developed a new method for measuring the solar energy produced by bifacial solar panels. This ...

Reviewing the availability of public and commercial solar resource data for Canada, the state-of-the-art of Canadian solar resource infra-structure and research, and the adequacy and availability of ...

Four solar panel projects in Ottawa have received the green light from city council and experts expect more will soon follow.

The cells, with a size twice the thickness of a strand of hair, have significant advantages over conventional solar technologies, reducing electrode-induced shadowing by 95% and potentially ...

The University of Ottawa's SUNLAB, led by electrical engineering Professor Karin Hinzer, collaborated with the National Renewable Energy Laboratory (NREL) in Golden, Colorado, to ...

The University of Ottawa's SUNLAB, led by electrical engineering ...

Integrating these reflectors into solar setups has the potential to improve solar energy production and efficiency, making projects more economically viable. The team found that placing reflective surfaces ...



Ottawa solar energy research and development

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