



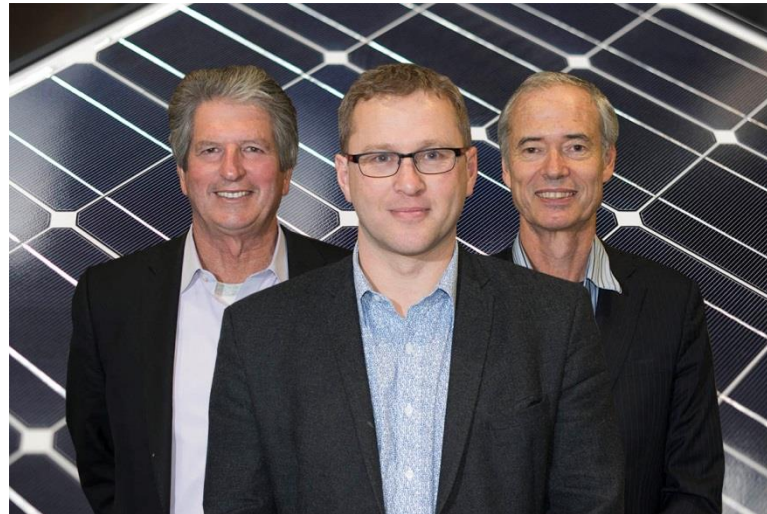
PV & RE Engineering

Research update seminar 8th
December, 2016

Never Stand Still

Engineering

Photovoltaic and Renewable Energy Engineering



AGENDA

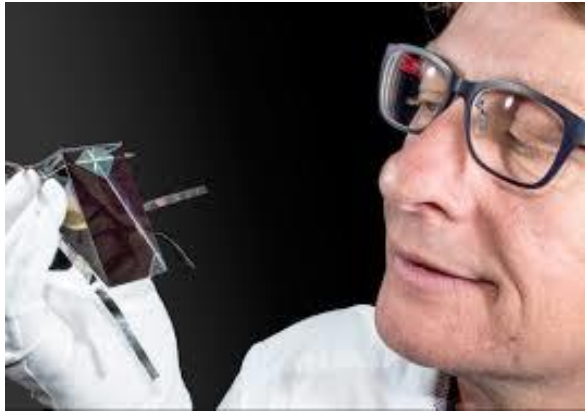
<u>Speaker:</u>	<u>Title:</u>	<u>Time:</u>
Darren Bagnall	Welcome	4.30 pm
Martin Green	Impact of UNSW on the PV industry	4.40 pm
Stuart Wenham	Advanced Hydrogenation	5.10 pm
Alistair Sproul	Overview of PV systems research	5.40 pm
Muriel Watt	Farewell Speech	6.05pm
Darren Bagnall	Student prize ceremony	6.20pm
Cocktail party at MCIC !!		6.30pm



2016: A good year

- **Global picture:** PV and RE continue to grow
 - (Australia more challenging than it should be)
- **ARENA:** gets to keep \$800m - and ability to provide grants
- **UNSW: Strategy2025**
 - \$12m of OPEX support for SPREE - **\$10M** for **SIRF** via **TORCH**
 - 'Hunting Licence' for 8 new academics over next 2 years
 - 3(.5) - trimester system starting 2019. **Strategy2019**
- **Research Vision:**
 - What can we do? – what do we need to do it?
 - MacArthur 100&Change (**\$100M**)
 - Improve device and systems technology, improve education....
- **Meanwhile: 4 world records**

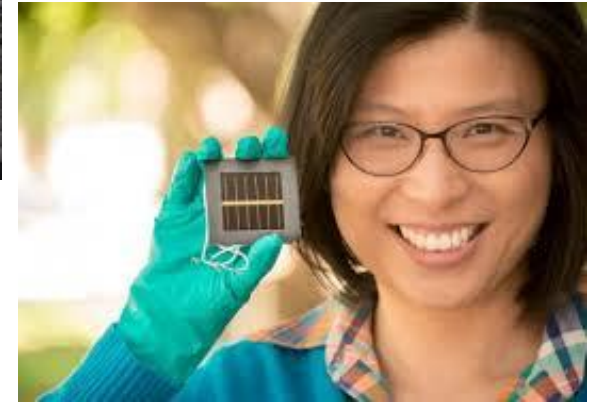




34.5% Sunlight-to-electricity conversion



7.6% CZTS cell



12.1% (16 cm²) perovskite solar cell



Bram Hoex: PVSC Young Professional Award



Thorsten Trupke: new ATSE Fellow



Martin Green: Ian Wark Medal

Student Prizes – Special thanks to our sponsors;



Darcy Wentworth