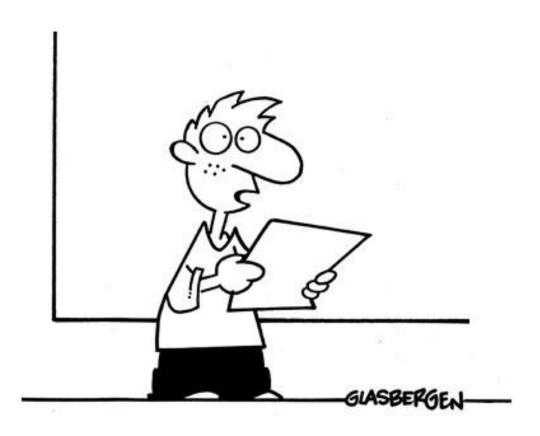
ADVANCED TOPICS



Advanced topics

- Text with 10pp (max)
- Presentation 10 + 5' (slides in english)
- Groups with 3 people
- Free topic

FUNDAMENTALS

Theoretical limit for efficiency of silicon solar cells

Theoretical limit for efficiency of n junctions

Up- and down-conversion of photons

Luminescent concentration

SOLAR CELL TECHNOLOGIES

DSSC solar cells

Organic solar cells

Perovskite solar cells

Silver-less solar cells

Texturing solar cells

Inkjet contact printing

CZTS solar cells

Multijunction solar cells

Spectral splitting solar cells

Bifacial solar cells

Coloured solar cells

SYSTEMS AND APPLICATIONS

Cleaning of PV systems

Batteries for PV

Smart grids with PV generation

Recycling

Pico solar

PV impact on the electricity grid

Crowd funding for PV deployment

PV and climate change

SYSTEMS AND APPLICATIONS

Solar rover in the Antarctic

Agriphotovoltaics

Concentrated solar energy

Solar thermal or PV power heat pump

PV adopters

PV in Portugal

BIPV products

PV forecasting