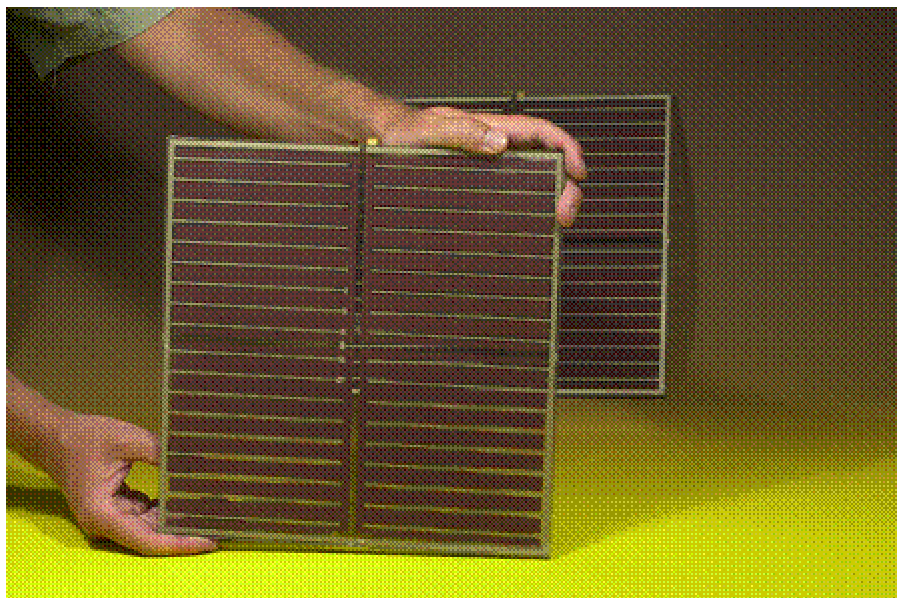
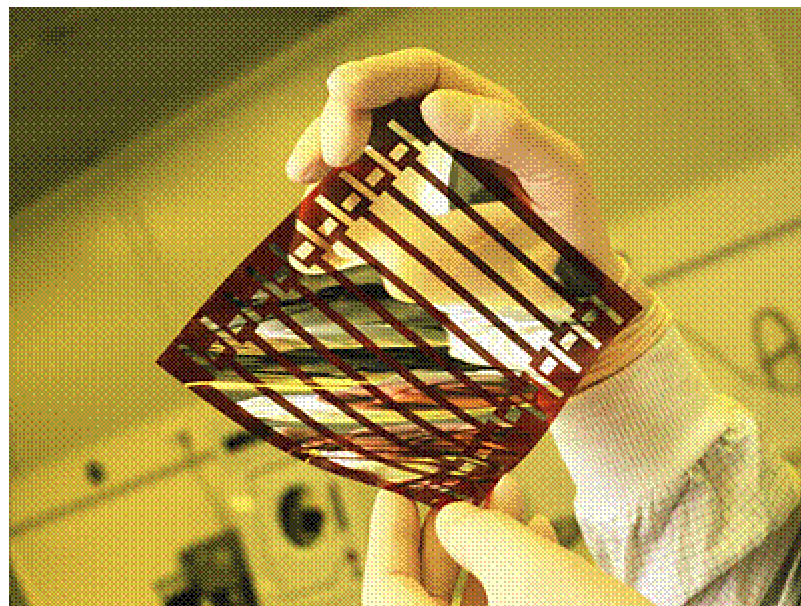


# Stable Organic PV and modules



*Dye Sensitized Oxide modules  
Courtesy ECN Solar Energy*



*Flexible Polymer Solar cell  
Courtesy Siemens AG*

# Potential Organic based PV

- Low cost processing (low energy input)
- Flexibility and lightweight
- Tuneable properties
- Create new application possibilities



- Increasing R&D effort worldwide
- Europe has leading R&D position in this domain
- First industrialization initiatives have been started

*Short term focus on flexible devices for consumer electronics, light weight chargers etc.*

Additional progress is needed to improve **Efficiency & Stability** to broaden the application level to large scale power generation

### **Present situation in Europe:**

- Isolated competences exist around Europe
- A few STREP like projects in FP5 and FP6 are running

Structural Integration of leading European institutions and starting industrial players should lead to accelerated progress



**NETWORK OF EXCELLENCE** powerful research body

# Aim of NoE: EUROCELL

- Maintain leading R&D position of Europe
- Strengthen the European competitiveness
- Integration of OPV activities
- Joint research initiatives
- Setup of centres of excellence for schooling on
  - materials synthesis
  - device aspects
  - advanced spectroscopy,
  - solar cell characterization

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- Partnership structure:  
15-20 partners among which  
IMEC (B), LIOS (A), EPFL(S), ICL(UK) and  
ECN(NL), Univ. Madrid (E)
- Proposed budget: 3 Million Euro/year including  
investments (schooling) and networking
- Proposed duration: 5 years

# EUROCELL

## Proposed outline of the Joint Programme of Activities (JPA)

