



## Europe's Research and Development efforts in support of its PV industry

### Cost-reduction through material optimisation and higher Energy output of solar photovoltaic modules

Hamburg, Germany, 16<sup>th</sup> September 2015 (13:00 – 16:45)  
CCH - Congress Centre Hamburg (EU PVSEC 2015) – Hall 7 on the first floor

Event organised by:



Supported by:



#### 13:00-13:15 Registration & Welcome coffee

#### Session I: CHEETAH – Strategically supporting the PV industry

*Moderator: Jan Kroon, ECN and Project Coordinator*

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|-------------|--|--|
| 13:15-13:30 | Welcome notes from the European Commission                               | Maria Getsiou, European Commission and Project Officer (tbc) |
| 13:30-14:00 | The CHEETAH project – Halfway through our goals                          | Jan Kroon, ECN and Project Coordinator                       |
| 14:00-14:15 | Towards further solar PV cost reduction - Impact of research innovations | Ioannis Thomas Theologitis, SolarPower Europe                |

#### Session II: CHEETAH Research Activities – Significant efforts on all technologies

*Moderator: Kris Van Nieuwenhuysen, imec*

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|-------------|--|---|
| 14:15-14:40 | Highlights on the silicon based technologies – From ultrathin wafers to module development | Pierre-Jean Ribeyron, CEA INES • Paul Sommeling, ECN      |
| 14:40-15:00 | Advanced techniques in Thin Film and Organic PV  | Martina Schmid, Helmholtz – Berlin • Suren Gevorgyan, DTU |

#### 15:00-15:15 Coffee break

#### Session III: Assessing the CHEETAH innovations – What is the way ahead?

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| 15:15-16:00 | Discussion tables split 3 main thematics (c-Si, TF, OPV) – discuss challenges, ways forward and relevance to the European PV industry   | Experts will discuss on a predefined set of questions and topics that are relevant with CHEETAH – A moderator per table is assigned                          |
| 16:00-16:30 | Plenary Panel Discussion<br><br><b>Topic:</b> Reality check - how can our industry benefit from CHEETAH innovations?<br><br><i>Moderator: Nigel Taylor, European Commission JRC</i> | <b>Panellists:</b> Jan-Marc Luchies, R&D Director, Tempres • Franco Traverso, CEO, MegaGroup (invited) • Ian Bennett, Senior System Specialist PV Solar, DSM |
| 16:30       | Closing remarks   | Jan Kroon, ECN and Project Coordinator   |
| 16:45       | Networking drink  |  |



The project has received funding by the Seventh Framework Programme for Research and Technological development of the European Union (FP7/2007-2013) under grant agreement n° 609788



## CHEETAH project

Cost-reduction through material optimisation and Higher EnErgy output of solAr pHotovoltaic modules - joining Europe's Research and Development efforts in support of its PV industry

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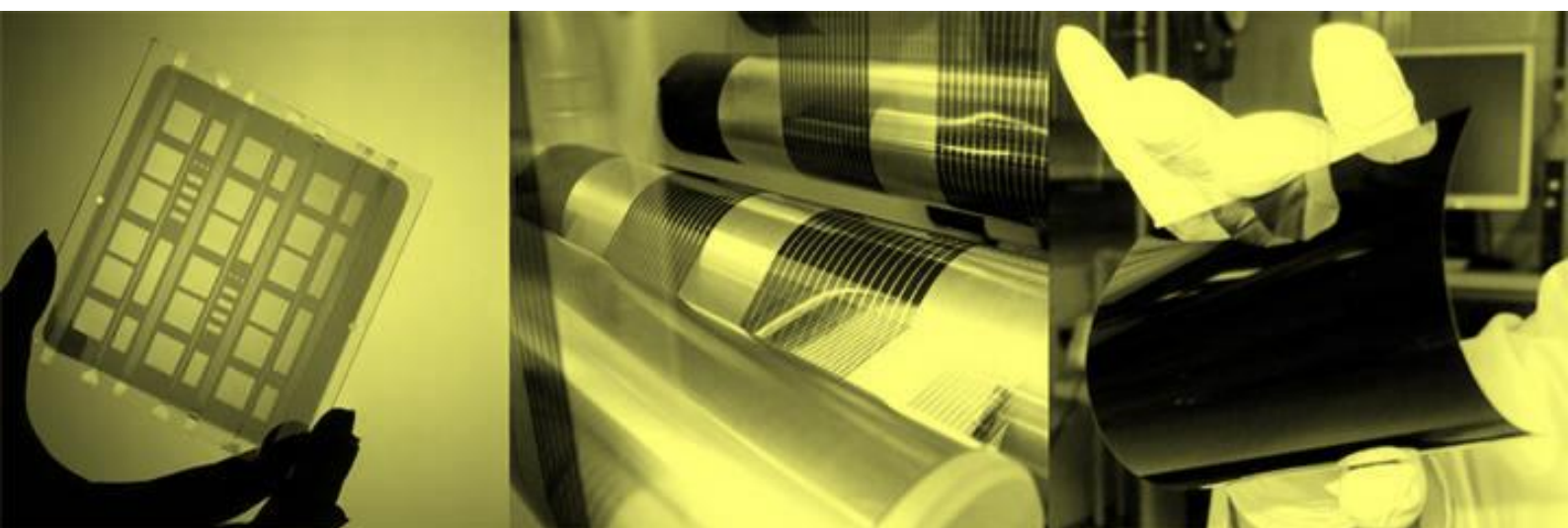
CHEETAH is a combined collaborative project (CP) and coordination and support action (CSA) funded under the European Commission's 7th Framework Programme. CHEETAH's aims to solve specific R&D issues in the EERA-PV Joint Program and to overcome fragmentation of European PV R&D in Europe and intensify the collaboration between R&D providers and industry to accelerate the industrialization of innovations.

With 16 nationalities represented in the consortium, CHEETAH's ambition is to develop technology and foster innovative manufacturing capabilities and photovoltaic products so that Europe can develop its technological and industrial capacity in all parts of the value chain.

CHEETAH's objectives for the first 4 years of the program are threefold:

- ❖ Developing new concepts and technologies for wafer-based crystalline silicon PV (modules with ultrathin cells), thin-film PV (advanced light management) and organic PV (very low-cost barriers), resulting in (strongly) reduced cost of environmentally benign/abundant/non-toxic materials and increased module performance.
- ❖ Fostering long-term European cooperation in the PV R&D sector, by sharing knowledge, organizing workshops, exchange and training researchers inside and outside Europe, efficient use of infrastructures, promoting best practices and standards
- ❖ Accelerating the implementation of innovative technologies in the PV industry, by a strong involvement of EPIA and EIT-KIC InnoEnergy in this program

For more information:  
[www.cheetah-project.eu](http://www.cheetah-project.eu)



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