N E W S R E L E A S E

CMP Chooses I|D|ME Organic Solar Cell Technology for Integration with CMOS

Agreement Gives CMP's Customers Access to Cutting Edge OPV Technology from I/D/ME

VANCOUVER, BC (CANADA) – June 3rd, 2011 – I|D|ME Development Corp., an emerging leader in polymer based electronic design and fabrication has partnered with Circuits Multi-Projects (CMP) to announce CMP has chosen I|D|ME's proprietary ultra-stable Organic Photovoltaic Cells (OPVs) for universities, research labs and industry customers.

Since 1981, CMP, an independent non-profit organization, has helped more than 1000 organizations from 70 countries access affordable commercial foundries by consolidating their designs onto a single prototype mini-tile. CMP works with several foundry vendors supporting a range of technologies and has chosen I|D|ME for its stable organic solar cell technology. CMP customers will have access to I|D|ME's latest flexible powering solutions, for building cost-effective integrated self-powered systems. CMP offers its customers experience with the entire design, layout, verification, and tapeout process, as well as the expert guidance.

"We are very excited about this partnership with CMP. Customers will have access to the most cutting edge advance polymer-electronics and powering systems along with incredible experience and support from CMP. This will mark the first wide-spread commercial application of organic solar and capacitive technology in the market place, and its only the beginning," says Clint Landrock, CTO, I|D|ME Development Corp.

"CMP is proud to bring a unique new feature to the CMP portfolio. Designers will be able to power and store energy using very advanced devices from I|D|ME. Integrated circuits, MEMS, sensor networks, etc. can take advantage," said Bernard Courtois, Director of CMP.

Designed and manufactured at I|D|ME's facilities in Vancouver, BC CANADA, the most stable polymer solar cells, and high density polymer hybrid super-capacitors, offer one of a kind customization and flexibility in self-powered wireless systems. I|D|ME's polymer electronics may be customized to nearly any size and shape required by the customer, providing unprecedented flexibility for designers and applications. I|D|ME's OPVs have recently been shown as the most stable high efficiency organic solar cells in the world at an exceptionally low cost for materials and manufacture. Their ionic-based hybrid capacitors offer compact, robust and entirely bendable power storage at a low cost.

Individual polymer solar cells produce a customizable open circuit voltage between 300 and 800mV and thus a series connection of four solar cells will provide a reasonably stable voltage for powering a 0.35µ technology ASIC, as long as the design can tolerate small variations on source voltage. This means the nominal value of both the short-circuit current and open-circuit voltage of the array is configurable and will therefore attain the power supply necessary in terms

of I-V characteristics. For advanced processes such as 40nm that only one or two OPV cells are required for the 0.9V power supply. In addition to the use of series-connected cells for elevating the voltage to the required potential, dedicated power management circuitry may be used integrated to adjust voltage levels to the requirements of the customer.

The integration I|D|MEs polymer electronics with CMOS circuits can be done according to 3 scenarios. Scenario #1 consists in replacing the standard package lid by the self powering substrate. Connections to the package can be done easily with wire bonding techniques when custom OPV has metallic bonding pads, as it is done to connect the IC to the package. This scenario maximizes light collection area and uses a resin covering for the outside wire bonding protection. Scenario #2 integrates within the package the OPV substrate which is made as large as the cavity size to optimize performance. The ASIC is placed on top of the custom substrate. This scenario is adapted to low power and small circuit applications since the light collection is a bit reduced because of the shaded PV area. Finally scenario #3 is the most advanced offer, since the OPV substrate is placed on top of the IC connected to the package with flip-chip. The ASIC has the backside up, ready to sustain the OPV - hybrid capacitor substrate. This scenario needs a dedicated package for flip-chip and is adapted to large circuits. Both scenarios #2 and #3 need necessarily a transparent lid on top of the package.

CMP will exhibit at DAC 2011 in San Diego June 6 – 8 and its expert staff will be on hand to answer questions about its choice of I|D|ME for polymer powering solutions.

FACTS ABOUT I|D|ME

I|D|ME Development Corp. was founded in October 2009 by Professor Bozena Kaminska and her Graduate student Clint Landrock to spin off technology developed at Simon Fraser University. The core technology centers on extremely thin and flexible power storage devices and nano-scale optics. Their original developments continue to expand into many areas including green energy generation and medical devices with their talented team of scientists and engineerings. They recently announced the licensing of their proprietary nano-optics to publicly traded company NanoTech Security Corp (NTS on TSX-V). For more information visit: www.id-me.ca

FACTS About CMP

CMP is a broker in ICs and MEMS for prototyping and low volume production. Circuits are fabricated for Universities, Research Laboratories and Industrial Companies. Advanced industrial technologies are available in CMOS, BiCMOS, SiGe BiCMOS, FDSOI down to 20nm, pHEMT GaAs, and MEMS etc. CMP distributes and supports several CAD software tools for both Industrial Companies and Universities. Since 1981, more than 1000 institutions from 70 countries have been served, more than 6000 projects have been prototyped through 700 runs, and 56 different technologies have been interfaced. For more information, visit: http://cmp.imag.fr

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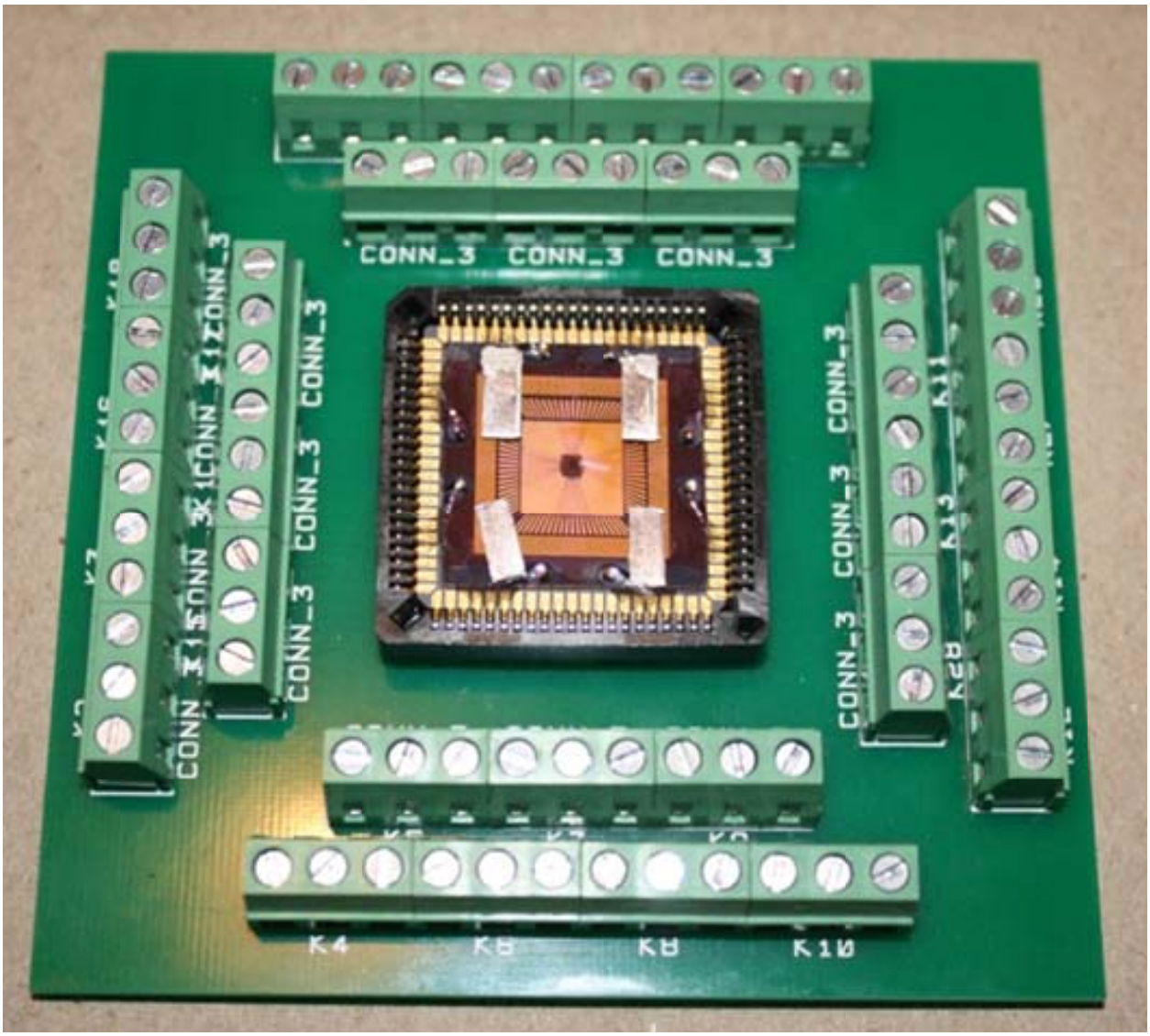
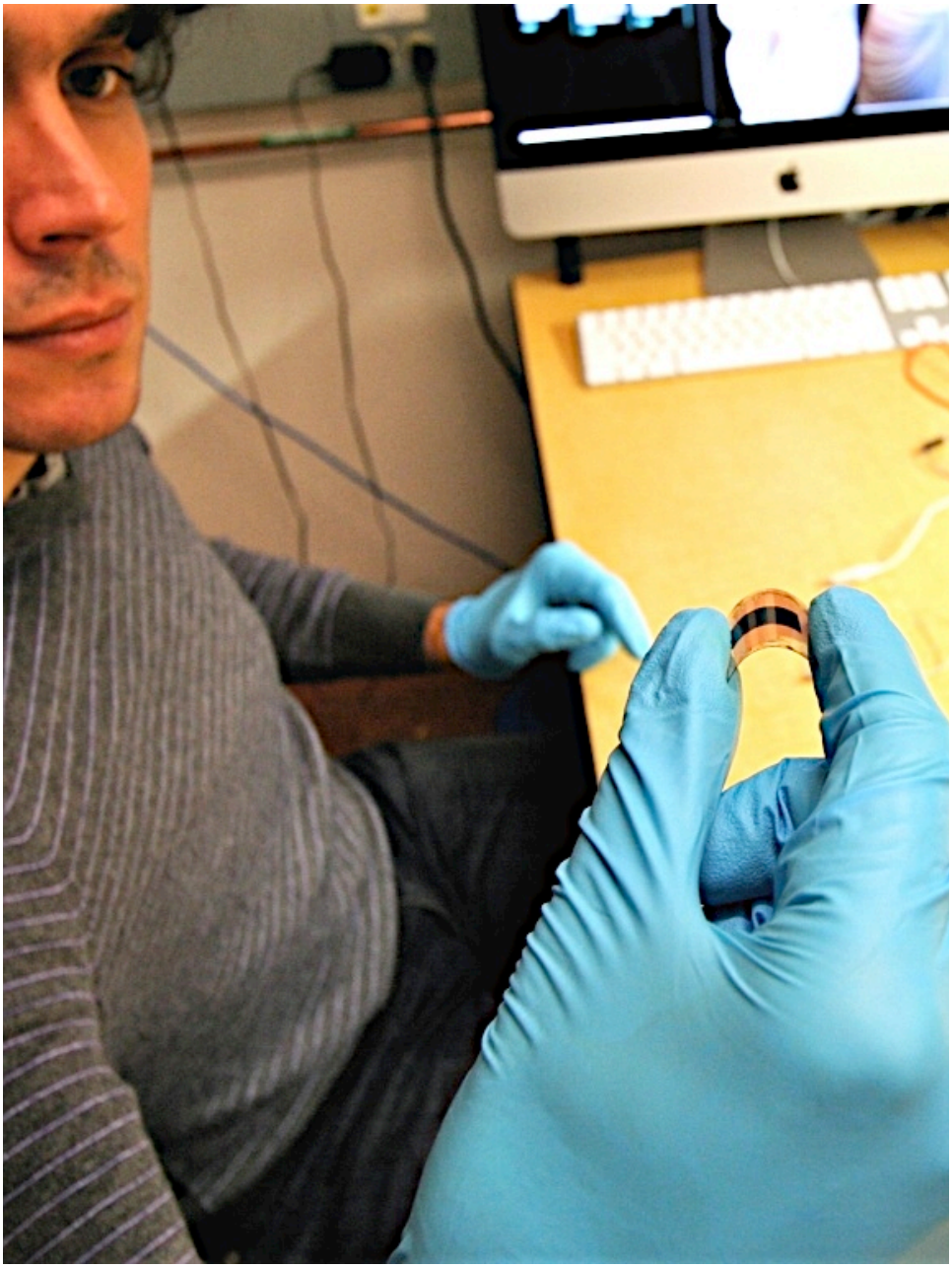
IMAGES



Test Board: epoxy board, socke, package, OPV Panel lid (transparent with exception to metal cathode strips).



I|D|ME research engineer with a flexible organic solar cell made on a plastic substrate.