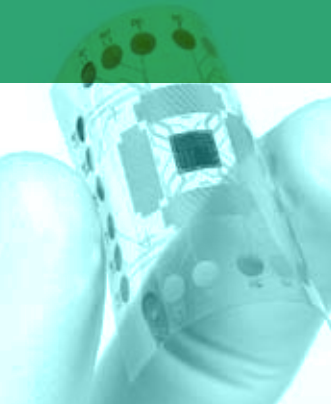


2ND INTERNATIONAL WORKSHOP
on
FLEXIBLE & STRETCHABLE ELECTRONICS



FLEX

NOVEMBER 16TH, 17TH AND 18TH 2009

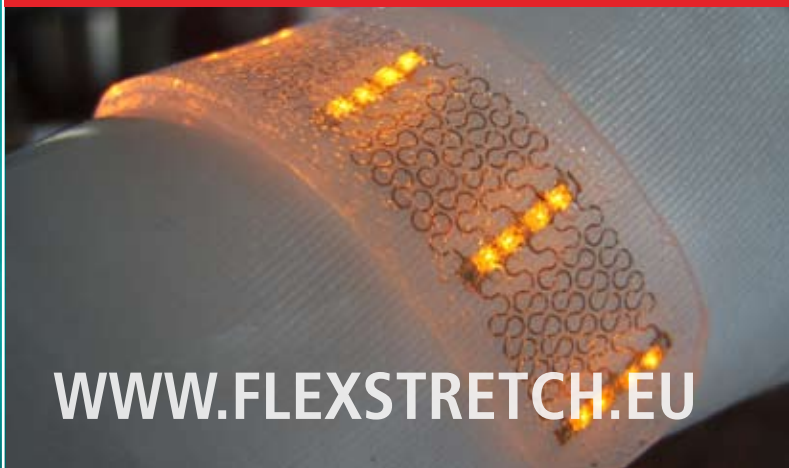
GHENT, BELGIUM

STRETCH ELECTRONICS II

STELLA



INVITATION | TUTORIAL & WORKSHOP ANNOUNCEMENT



WWW.FLEXSTRETCH.EU

Invitation

On behalf of the organising committee we would like to invite you to Flex-Stretch Electronics II, the second International Workshop on Flexible and Stretchable Electronics, which will take place in Ghent, Belgium on November 17 and 18, 2009.

This workshop is a dissemination activity of the EC funded Integrated Project STELLA (Stretchable Electronics for Large area Applications) and of various other EC and nationally funded projects in the field of flexible and stretchable electronic circuits. Moreover external leading experts in the field, both from industry and from academia, will deliver key-note talks on the subject. Preceding the workshop a day of tutorials on flexible and stretchable circuit technologies is organised, during which authorities in the field will share their knowledge and views.

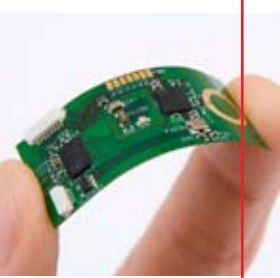
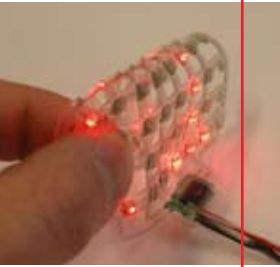
Since the first successful workshop, held in September 2007, the technology has made considerable progress, and practical applications and industrialisation schemes, also for stretchable electronics, come in sight.

Technology progress and issues on requirements, product design, and technology implementation for applications in the areas of implantable electronics, automotive, wellness and sports, artificial skin and robotics, wireless sensor networks, intelligent and photonic textiles, etc. will be discussed during the event.

Looking forward to see you in Ghent next November!

Dr. Christopher Klatt
Freudenberg
Forschungsdienste KG
STELLA project co-ordinator

Dr. Wim Christiaens
University of Ghent - IMEC
FS-II
Organising Committee President



16, 17 & 18 November 2009 • GHENT, BELGIUM

Tutorial & Workshop Announcement

TUTORIAL | Monday 16/11/2009

Tutorial Part 1: Flexible Circuit Technologies

Mr. J. Fjelstad, Silicon Pipe

Tutorial Part 2: Stretchable Circuit Technologies

Dr. S.P. Lacour, Cambridge University | Prof. Dr. J. Vanfleteren, IMEC | Dr. T. Löher, TUB

WORKSHOP PROGRAM, KEYNOTES | Tuesday 17/11/2009

Introduction: Flexible and stretchable electronics in the ICT FP7 workprogramme

Dr. T. Van der Pyl, European Commission

Workshop Keynote 1: Nokia Morph - Stretchable electronics for sensing and communication

Dr. T. Ryhänen, Nokia

Workshop Keynote 2: Ultrathin stretchable silicon circuits : technology and applications

Prof. Dr. J. Rogers, University of Illinois

Technology session 1

Keynote: Stretchable skinlike large-area sensors and actuators using printed organic transistors

Prof. Dr. T. Sekitani, Tokyo University

Modelling and reliability session

Keynote: The mechanics of stretchable electronics: experiments and simulations

Prof. Dr. J. Vlassak, Harvard University

Applications session 1: "Sensors"

Keynote: Smart Textiles in car interior applications: status and future perspectives

Mr. Meinel & Mr. Wagner, Daimler AG

WORKSHOP PROGRAM, KEYNOTES | Wednesday 18/11/2009

Applications session 2: "Smart Textile"

Keynote: Photonic textiles - new possibilities through light in fabric

Dr. L. van Pieteron, Philips Research

Technology session 2

Keynote: Novel biomimetic electronic interfaces: sensing and stimulating

Prof. Dr. O. Graudejus, Princeton University / Arizona State University

Applications session 3: "Bio"

Keynote: Substrates for transcutaneous organ diagnostics

Prof. Dr. N. Gretz, Innovation Lab

(Subject to changes)

Posters

Publishers and Companies wishing to display a poster [A0 format] with R&D topics, products or services of interest to the FLEX-STRETCH ELECTRONICS II attendees are asked to submit an e-mail of intent with the following information:

- 150-300 words abstract
- A short description of the company / publisher

Demos are welcome!

All requests should be submitted by electronic mail to **wim.christiaens@elis.ugent.be** no later than **September 30, 2009**.

Locations

TUTORIAL | 16.11.2009

Cmst

Technologiepark 914A

B-9052 Zwijnaarde / Ghent

Belgium

WORKSHOP | 17-18.11.2009

Aula Ghent University

Volderstraat 9

B-9000 Ghent

Belgium

More Info

Flex-Stretch Workshop 2009 | CMST

Wim Christiaens

Technologiepark 914A

B-9052 Gent-Zwijnaarde (Belgium)

Phone: +32 (0)9 264 53 71

Fax: +32 (0)9 264 53 74

E-mail: wim.christiaens@elis.ugent.be

WWW.FLEXSTRETCH.EU