

# LOCATION

## INSA DE RENNES

20 avenue des Buttes de Coesmes  
35708 Renne Cedex 7, France



## INTERNATIONAL WORKSHOP

# SILICON & PHOTONICS

JUNE 11-12, 2013

INSA DE RENNES - FRANCE



INSA is a 20-minute car drive from Rennes Airport (bus no. 31) - Rennes/Saint-Jacques Airport



Rennes is 2 hours from Paris (Montparnasse station).  
INSA is a 10-minute bus ride from the railway station in Rennes (bus no. 31) - SNCF



INSA is a 10-minute bus ride from Rennes town centre - STAR bus services



Taxis rennais, from the railway station in Rennes or the airport.  
Tel. +33(0)2 99 30 79 79

## CONTACT

### REGISTRATION

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### ORGANIZATION

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# TUESDAY, JUNE 11, 2013

## 9:00 WELCOME & REGISTRATION

- 10:00** High quality Nanostructures on Silicon for fundamental physics (B. Deveaud, EPFL)
- 10:35** Laser Cavity based on Ge (P. Boucaud, IEF Orsay)
- 11:00** Ultimate limits in material simulations in HPC (M. Nestoklon, Ioffe Russia)
- 11:25** III-V/Si integration for Electronic-Photonic convergence (X. Letartre, INL)

## LUNCH

**12:00**

Optical interconnect in HPC (B. Offrein, IBM Zurich).

- 13:30** Photonics on Si with bonded devices and substrates (G.H. Duan, Alcatel-Lucent)
- 14:05** High performances Mode locked lasers for Si integration (A. Ramdane, LPN)

- 14:40** Sb-based compound lasers on Si substrate (J.B. Rodriguez U. Montpellier)
- 15:05**

## PAUSE

**15:30**

Telecom evolution (B. Charbonnier, Orange lab)

- 15:45** Tight binding simulations in III-V structures on Si (C. Robert, Foton)
- 16:20**

- 16:45** Resonant microdisk cavities on Si (P. Feron, Foton)
- 17:10** High quality and high mobility III-V nanostructures on Si (X. Wallart, IEMN Lille)

- 17:35** Discussion Si & Photonics

## WORKSHOP DINNER

**19:30**

# WEDNESDAY, JUNE 12, 2013

- 9:00** Information and Communication Sciences in Brittany (A. Benveniste CominLabs, U. Rennes)

- 9:15** High performance devices for optical interconnect (JM Fedeli, CEA-LETI)

- 9:50** GaAs nanostructures on Si substrate for photonic applications (Chantal Fontaine, LAAS)

- 10:15** High quality Germanium on Silicon (D. Bouchier, IEF)

## 10:40 PAUSE

- 10:55** Si Homoepitaxy for surface reconstruction studies (I. Berbezier, U. Marseille)

- 11:20** TEM observations of semiconductor nanostructures on Si (A. Ponchet, CEMES)

- 11:45** III-Nitride based heterostructures on silicon substrates (F. Semond CHREA)

- 12:10** GaAsPN compounds for Si photonics (C Cornet, Foton)

## 12:35 LUNCH

## 13:35 DEPARTURE

