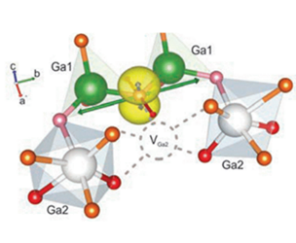
**** ***The 1st National workshop***

**“Gallium Oxide ultra wide band gap material**

**for energy electronics”**

# **26/01/2023**

# **la Délégation CNRS « Ile de France Ouest et Nord » Meudon**

**9H00**: ***Salle Isadora Duncan* Welcome coffee**

**9H00-9H50 guided visit (by 2 groups) of historical “Geant of Bellevue”**

**10H: Ga2O3 activity in GEMaC,** Corinne Sartel, and Ekaterine Chikoidze CNRS, UPSa

**10H20: Zn doping effect in Ga2O3 and beyond,** Zeyu Chi, GEMaC, CNRS, UPSa

**10H40: Acceptor defects in Ga2O3****- an overview of EPR results**, Jurgen von bardeleben, Institut des Nanosciences de Paris, Sorbonne Université

**11H00: Spectroscopie électro-optique des défauts profonds dans les semi-conducteurs grands gaps: Application à l'oxyde de gallium,** Georges Bremond, Institut des Nanotechnogies de Lyon

**11H20: Chemical Synthesis of Ga2O3 Materials in LMGP,** LMGP

**11H40: Two-dimensional hole conductivity and compensation in Ga2O3,** Tamar Tchelidze,Ivane Javakhishvili State University, Georgia

**12H10-13H20: Lunch**

**13H30: Advanced electrical characterization techniques applied to study**- Ga2O3 **Schottky barrier diodes,** Philippe Ferrandis , Institut Néel

**13H50: Link between polishing cycles and surface defects in -** Ga2O3 **diodes grown on floating zone substrates,** Coralie Perrier, Institut Néel

**14H10: "Tuning the Ga2O3 band alignment using a HfZrO4 ferroelectric layer**,Anthony Boucly

, IRAMIS,CEA

**14H30*:* Doping effect of elementary defects produced by irradiation of Ga2O3 with relativistic electrons,**

Marcin Konczykowski,*LSI, Polytechnique*

**14H50:****Control of charge states of Cr and Fe impurities in Ga2O3 by irradiation with relativistic electrons**, Slava Safarov, *LSI, Polytechnique*

**15H10** :**Ga2O3 Thin Films by Pulsed Laser Deposition for Improved Energy Conversion Efficiency in Electronics**, **Sensors and Solar Cells**. David Rogers, Nanovation

**15H30-16H30:** Discussion

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Corinne Sartel** | [**corinne.sartel@uvsq.fr**](mailto:corinne.sartel@uvsq.fr) | GEMaC, CNRS, UPSa |
|  | **Ekaterine Chikoidze** | [**Ekaterine.chikoidze@uvsq.fr**](mailto:Ekaterine.chikoidze@uvsq.fr) | GEMaC, CNRS, UPSa |
|  | **Zeyu Chi** | [**zeyu.chi@uvsq.fr**](mailto:zeyu.chi@uvsq.fr) | GEMaC, CNRS, UPSa |
|  | **Yves Dumont** | [**Yves.dumont@uvsq.fr**](mailto:Yves.dumont@uvsq.fr) | GEMaC, CNRS, UPSa |
|  | **Vincent Sallet** | [**vincent.sallet@uvsq.fr**](mailto:vincent.sallet@uvsq.fr) | GEMaC, CNRS, UPSa |
|  | **Soroush Abbasi** | [**alain-soroush.abbasi-zargaleh@uvsq.fr**](mailto:alain-soroush.abbasi-zargaleh@uvsq.fr) | GEMaC, CNRS, UPSa |
|  | **Mathieu Fregnaux** | [**mathieu.fregnaux@uvsq.fr**](mailto:mathieu.fregnaux@uvsq.fr) | ILV, CNRS, UPSa |
|  | **Jurgen von Bardeleben** | [**vonbarde@insp.jussieu.fr**](mailto:vonbarde@insp.jussieu.fr) | INSP, CNRS,Paris Sorbonne |
|  | **Jean-Louis Cantin** | [**cantin@insp.jussieu.fr**](mailto:cantin@insp.jussieu.fr) | INSP, CNRS, Paris Sorbonne |
|  | **Yunlin Zheng** | [**zheng@insp.upmc.fr**](mailto:zheng@insp.upmc.fr) | INSP, CNRS,Paris Sorbonne |
|  | **Jean-Marie Bluet** | [**jean-marie.bluet@insa-lyon.fr**](mailto:jean-marie.bluet@insa-lyon.fr) | INL, INSA |
|  | **Georges Bremond** | [**georges.bremond@insa-lyon.fr**](mailto:georges.bremond@insa-lyon.fr) | INL, INSA |
|  | **Philippe Ferrandis** | [**philippe.ferrandis@neel.cnrs.fr**](mailto:philippe.ferrandis@neel.cnrs.fr) | Institute Néel |
|  | **Coralie Perrier** | [**coralie.perrier@neel.cnrs.fr**](mailto:coralie.perrier@neel.cnrs.fr) | Institute Néel |
|  | **Nick Barrett** | [**nick.barrett@cea.fr**](mailto:nick.barrett@cea.fr) | DRF/IRAMIS/SPEC,CEA |
|  | **Christophe Lubin** | [**christophe.lubin@cea.fr**](mailto:christophe.lubin@cea.fr) | DRF/IRAMIS/SPEC,CEA |
|  | **Anthony Boucly** | [**anthony.boucly@cea.fr**](mailto:anthony.boucly@cea.fr) | DRF/IRAMIS/SPEC,CEA |
|  | **David Rogers** | [**rogers@nanovation.com**](mailto:rogers@nanovation.com) | Nanovation |
|  | **Vincent Consonni** | [**vincent.consonni@grenoble-inp.fr**](mailto:vincent.consonni@grenoble-inp.fr) | LMGP |
|  | **Tamar Tchelidze** | [**tchelidze@tsu.ge**](mailto:tchelidze@tsu.ge) | TSU, Georgia |
|  | **Henri-Jean Drouhin** | [**henri-jean.drouhin@polytechnique.edu**](mailto:henri-jean.drouhin@polytechnique.edu) | LSI, Polytechnique |
|  | **Marcin Konczykowski** | [**marcin.konczykowski@polytechnique.edu**](mailto:marcin.konczykowski@polytechnique.edu) | LSI, Polytechnique |
|  | **Slava Safarov** | [**visafarov@gmail.com**](mailto:visafarov@gmail.com) | LSI, Polytechnique |