

# 2<sup>nd</sup> WG6 SiC-LGAD Meeting

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On behalf of WG6 SiC-LGAD Project

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DRD3 WG6 SiC-LGAD Meeting

# Status and Plan

- Welcome new member : UC Santa Cruz!
  - Contact: Simone Mazza [simazza@ucsc.edu](mailto:simazza@ucsc.edu)
  - Resources: Characterization (CV/IV, beta source, TCT laser), readout development, radiation hardening, TCAD simulation Towards MoU

## Proposal Status

- Thanks for your input in the spreadsheet!
- 27 institutions in total
- 9 Funding Agencies

Country	Funding Agency	Funding Agency Code	Representative	Institution(s) represented
China	IHEP	IHEP	Jianchun Wang	Xin Shi
Switzerland	CERN	CERN	Manfred Kramer	Michael Moll
Italy	INFN	Torino	Nadia Pastrone	Valentina Sola
Austria	OEAW	HEPHY	Jochen Schieck	Thomas Bergauer
Israel	WIS	WIS	Noam Tal Hod	Noam Tal Hod
United States	DOE	DOE	Helmut Marsiske	Simone Mazza
Czech Republic	FZU	FZU	Michael Prouza	Marcela Mikestikova
Italy	INFN	Perugia	Nadia Pastrone	Francesco Moscatelli

## Next

- Will update into the proposal and circulate by Mondy <https://cds.cern.ch/record/2907318/>

ID	Country	Collaboration Institution	Institution	Contact	Email	Resources (Each)
1	China	IHEP Beijing	IHEP	Jin Shi	<a href="mailto:jin-shi@im.p.cn">jin-shi@im.p.cn</a>	IVCV, alpha/beta source, UV-TCT
2	Austria	OEAW HEPHY	HEPHY	Thomas Bergauer	<a href="mailto:Thomas.Bergauer@oeaw.ac.at">Thomas.Bergauer@oeaw.ac.at</a>	Design, simulation (PCAD, alpha, beta) and characterization (IVCV on thermal shock, alpha/beta source, UV-TCT, proton/HeVC beams up to 800MeV), fast electronics and PCBs, neutron irradiation facility
3	China	Jilin University	JLU	Wanwan Song		
4	China	Shandong Institute of Advanced Technology	SIAT	Jiayu Xiao		
5	China	Technology	DLUT	Hongwei Liang		
6	China	Ludong University	LDU	Zhangli		
7	China	IMECAS	IME	Mannan Liu	<a href="mailto:lumanan@ime.ac.cn">lumanan@ime.ac.cn</a>	IVCV/TCT
8	Slovenia	Jozef Stefan Institute	JSI	Gregor Kranberger		
9	UK	University of Oxford	Oxford	Daniela Bortolotto	<a href="mailto:michael.moll@cern.ch">michael.moll@cern.ch</a>	UV-TCT, DLT, TSC, CUV, beta/alpha source, proton irr. (24 GeV)
10	Netherlands	Nikhef	Nikhef	Kees Alkbe		
11	Switzerland	CERN	CERN	Manfred Kramer		
12	Israel	Wizmann Institute of Science	WIS	Noam Tal Hod	<a href="mailto:had@vnu.ch">had@vnu.ch</a>	Scanning TCT, IVCV (up to 30kV), beta sources, Ex integration, AFPv2 dev., in-house AF/PSD telescope
13	Romania	NIMP Bucharest	NIMP	Ivana Pistitila		Defect spectroscopy and Hall measurements
14	Czech	Czech Technical University	CTU	Peter Sultra		
15	Czech	Institute of Physics of the Czech Academy of Sciences	FNGPE	Marcela Mikestikova	<a href="mailto:marcela.mikestikova@cern.ch">marcela.mikestikova@cern.ch</a>	testing - IVCV, TCT laser setup, irradiations
16	Spain	IME-CM	CM	Gualter Pellegrini		Device fabrication, design, simulation and testing of the device, TCT laser setup with UV light, mip setup and X-ray beams
17	Spain	IFCA	IFCA	Jose Maria Ramos		TFA/TCT test beam
18	Spain	CNA Serville	CNA	James Ramos	<a href="mailto:ramos@cnas.es">ramos@cnas.es</a>	IBIC, TRIBC
19	UK	The University of Manchester	Manchester	Alexander Gh		TFA, fast electronics and PCB boards
20	Italy	INFN Torino	Torino	Valentina Sola	<a href="mailto:valentina.sola@cern.ch">valentina.sola@cern.ch</a>	CVIV, beta source
21	Italy	INFN Perugia	Perugia	Moscatelli	<a href="mailto:francesco.moscatelli@cern.ch">francesco.moscatelli@cern.ch</a>	Design, TCAD simulation, IV/IV characterization
22	Italy	INFN Padova	Padova	Simone Mazza	<a href="mailto:simone.mazza@cern.ch">simone.mazza@cern.ch</a>	Device Fabrication, Design and Process TCAD Simulation
23	Greece	NTUA Athens	NTUA	Ioannis Kapsalis		Device characterization (IC, OJ, D-SIMS, TOP-GAM, FRB-SEM, EDX)
24	Italy	INFN Firenze	Firenze	Maria Bruzzi		monoenergetic neutron beam at NCSR Demokritos, Radiation hardness studies (protons, neutrons, X-rays), development of a new PCB readout
25	Israel	Tel Aviv University	TAU	Aviv Rubin		
26	Czech	Charles University	Charles	Peter Kodyš		
27	U.S.	UC Santa Cruz	Santa Cruz	Simone Mazza	<a href="mailto:simazza@ucsc.edu">simazza@ucsc.edu</a>	Characterization (IV/IV, beta source, TCT laser), readout development, radiation hardening, TCAD simulation