Please note the timings indicated are Indian times (see the last page of this document for more information on time zone convertor resources\*). The poster sessions are indicated in the main program. Apart from the sessions indicated for you, you can be present at other times too. All poster’s will be available for viewing and discussion all throughout the conference period.

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| **Name of Poster Presenter** | **Poster Title** | **Affiliation (detailed postal address)** | **Country** | **Session in which to be present** |
| Aleix Barrera Català | TAILORED SPIN-TEXTURES IN HYBRID SUPERCONDUCTING-FERROMAGNETIC STRUCTURES | Institut de Ciència de Materials de Barcelona (ICMAB-CSIC), Campus de la UAB08193 Bellaterra, Spain | Spain | May 31, 2021 16:00 to 16:50Poster - Hall - 2 |
| Alex Khanukov | Imaging the destruction of superconductivity in MoSi rings | Bar Ilan University Department of Physics, Bar-Ilan University, Ramat-Gan 5290002, Israel  | Israel | May 28, 2021 21:30 to 22:30Poster Hall - 4 |
| Allan Leishman | TOPOLOGICAL BARRIER FOR SKYRMION LATTICE FORMATION IN MnSi | 225 Nieuwland Science HallUniversity of Notre DameNotre Dame, IN 46556 | USA | June 1, 2021 21:30 to 22:30Poster - Hall - 1 |
| Arushi | Unconventional superconducting properties of a new Re-rich non-centrosymmetric α-Mn superconductor, Re5.5Ta | Crystal Growth Lab, AB3, Indian Institute of Science Education and Research, Bhopal, India-462066 | India | June 1, 2021 16:00 to 16:50Poster - Hall - 1 |
| Balazs Ujfalussy | Magnetic adatoms on conventional superconductor surfaces | Wigner Research Centre for Physics, POB 49 H-1056 Budapes, Hunrary | Hungary | May 28, 2021 21:30 to 22:30Poster Hall - 4 |
| Biplab Bag | Scaling of I-V curves and identification of non-equilibrium phase transitions at two unique depinning thresholds in 2H-NbS2 single crystals | Post-Doctoral fellow, CG35, Department of Condensed Matter Physics and Material Sciences, Tata Institute of Fundamental Research, Mumbai, Maharashtra-400005, India | India | June 1, 2021 21:30 to 22:30Poster - Hall - 1 |
| Carmine Attanasio | NbRe nitride films for potential application as superconducting nanowire single photon detector | Dipartimento di Fisica “E.R. Caianiello”, Università degli Studi di Salerno, I-84084 Fisciano (Sa), Italy | Italy | May 28, 2021 21:30 to 22:30Poster – Hall- 1 |
| Daniele Torsello | Interplay between magnetism and superconductivity in EuFe2(As1−xPx)2 single crystals | Department of Applied Science and Technology, Politecnico di Torino, Corso Duca degli Abruzzi 24, I-10129 Torino, Italy | Italy | May 29, 2021 16:00 to 16:60Poster Hall - 1 |
| Davi A. D. Chaves | Decreasing the flux front penetration depth in a Nb thin film under inhomogeneous magnetic field | Federal Univerisity of São Carlos, PO Box 676, 13565-095, São Carlos, SP, Brazil. | Brazil | May 29, 2021 21:30 to 22:30Poster Hall - 2 |
| Edgar J. Patiño | CAN COOPER-PAIRS TUNNEL AS BOSONIC PARTICLES? THEORY AND RESULTS | Departamento de Física, Superconductivity and Nanodevices Laboratory, Universidad de los Andes, Carrera 1 No. 18A-12, A.A. 4976-12340, Bogotá, Colombia | Colombia | May 29, 2021 21:30 to 22:30 Poster Hall - 4 |
| Elijah Anertey Abbey | MAGNETIC FLUX AVALANCHES IN NANOSCALE WEDGE-SHAPED SUPERCONDUCTING THIN FILMS | Departamento de Física, Universidade Federal de São Carlos, 13565-905 São Carlos, SP, Brasil.Grupo de Supercondutividade e MagnetismoRodovia Washington Luiz, km 235CEP: 13565-905Caixa Postal: 676São Carlos - SP Brazil. | Brazil | June 1, 2021 21:30 to 22:30 Poster Hall - 1  |
| Eylon Persky | Imaging the magnetic landscape of chiral superconductor candidate 4Hb-TaS2 | Bar Ilan UniversityDepartment of Physics, Bar-Ilan University, Ramat-Gan 5290002, Israel | Israel | May 28, 2021 21:30 to 22:30Poster Hall - 3 |
| Filippo Gaggioli | Effects of creep on the linear ac magnetic response in type II superconductors | 1Institut für Theoretische Physik, ETH Zürich, CH-8093 Zürich, Switzerland | Switzerland | June 1, 2021 16:00 to 16:50Poster Hall - 3 |
| Gabriela Pasquini | Interplay between nematicity and superconductivity in strained pnictides superconductors | Departamento de Física, FCEyN, Universidad de Buenos Aires; IFIBA, CONICET; Buenos Aires 1428, Argentina. | Argentina | May 28, 2021 21:30 to 22:30Poster Hall - 3 |
| Gonzalo Agustín Rumi | Two-step ac screening and non-local effects in the vortex lattice on BSCCO samples | Laboratorio de Bajas Temperaturas, Centro Atómico Bariloche, CNEA & Instituto Balseiro, Bariloche CP 8400, Argentina | Argentina | May 28, 2021 21:30 to 22:30Poster Hall - 2 |
| Govindarajan P | Symmetry reorientation transition in the vortex lattice and flux jumps in single crystals of V3Si superconductor | IISER Thiruvananthapuram, Maruthamala P.O., Vithura, Thiruvananthapuram -695551, India | India | May 28, 2021 16:00 to 16:50Poster Hall - 2 |
| Heleen Dausy | The impact of kinetic inductance on the critical current oscillations of nanobridge SQUIDs | Quantum Solid-State Physics, Department of Physics and Astronomy, KU Leuven, Celestijnenlaan 200D, B-3001 Leuven, Belgium | Belgium | May 31, 2021 16:00 to 16:50Poster Hall - 3 |
| Ilaria Maccari | Interplay of spin waves and vortices in the two-dimensional XY model at small vortex-core energy | KTH Royal Institute of TechnologySE-100 44 StockholmSweden | Sweden | June 1, 2021 16:00 to 16:50Poster Hall - 2 |
| Irina Grigorieva | MAGNETIZATION SIGNATURE OF TOPOLOGICAL SURFACE STATES IN A NON-SYMMORPHIC SUPERCONDUCTOR | Condensed Matter Physics group, Department of Physics and Astronomy, School of Natural Sciences, University of Manchester, Oxford Rd., Manchester M13 9PL, UK | UK | June 1, 2021 16:00 to 16:50Poster Hall - 4 |
| Jazmín Aragón Sánchez | Panoramics of vortex matter in FeSe and FeSeS at low fields | Centro Atómico Bariloche and Instituto Balseiro, CNEA, CONICET and Universidad Nacional de Cuyo, Avenida Bustillo, 9500 San Carlos de Bariloche, Río Negro, 8400. | Argentina | May 28, 2021 21:30 to 22:30Poster Hall - 2 |
| Joaquin Puig | Bridges in micron-sized type-II superconducting samples act as converging lenses for vortices | Centro Atómico Bariloche and Intituto Balseiro, CNEA, CONICET and Universidad Nacional de Cuyo, 8400 San Carlos de Bariloche, Argentina | Argentina | May 29, 2021 21:30 to 22:30Poster Hall - 3 |
| JORDI ALCALA | RESISTIVE SWITCHING IN NANOSTRUCTURED YBCO THIN FILMS | Montefiore Research Unit, Department of Electrical Engineering and Computer Science,Université de Liège, 4000 Sart Tilman, Belgium | SPAIN | May 31, 2021 16:00 to 16:50Poster Hall -3 |
| Kapil Motla | Superconducting Properties of α-Mn High Entropy Alloy Superconductors | Crystal Growth Lab AB-3, Pincode- 462066Indian Institute of Science Education and Research Bhopal ( INDIA) | India | June 1, 2021 16:00 to 16:50Poster Hall - 3 |
| Kyungwha Park | Zero-energy peak induced by a magnetic impurity in a conventional superconductor: first-principles based study | Department of Physics, Virginia Tech, Blacksburg, Virginia 24061, USA | USA | June 1, 2021 21:30 to 22:30Poster Hall - 2 |
| Leonardo Rodrigues Cadorim | The Resistive State of Two-Band Superconductors | Departamento de Física, Faculdade de Ciências, Universidade Estadual Paulista (UNESP), Caixa Postal 473, 17033-360, Bauru-SP, Brazil. | Brazil | May 29, 2021 21:30 to 22:30Poster Hall – 1 |
| Maciej Zgirski | Heat hunting in a freezer: direct measurement of quasiparticle diffusion in superconducting nanowire | Institute of Physics, Polish Academy of Sciences, Aleja Lotnikow 32/46, Warsaw PL 02668 | Polska | May 31, 2021 16:00 to 16:50Poster Hall - 3 |
| Mamta | Study of the Flux Pinning Properties of YBCO: NaNbO3 Nanorods CompositeSuperconductor | MS-408, Department of Physics, IIT Delhi, New Delhi | India | May 28, 2021 16:00 to 16:50Poster Hall -1 |
| MANASI MANDAL | Superconductivity in Chemically Doped Type-II Weyl Semimetal | ROOM NO 409, IISER BHOPALHOSTEL 2, Bhopal bypass road, Bhopal, Madhya Pradesh, India-462066 | India | June 1, 2021 16:00 to 16:50Poster Hall - 2 |
| Marek Foltyn | Sensing superconducting vortices with Dayem nanobridge | Institute of Physics, Polish Academy of Sciences, Aleja Lotnikow 32/46, Warsaw PL 02668 | Poland | May 31, 2021 16:00 to 16:50Poster Hall - 2 |
| Masanori Ichioka | NON-MAGNETIC IMPURITY EFFECTS IN VORTEX STATES OF NEMATIC SUPERCONDUCTORS | Department of Physics, Okayama University, Okayama 700-8530, Japan | Japan | May 29, 2021 16:00 to 16:60Poster Hall - 2 |
| Matthew Smylie | Superconducting phase diagram of magnetically ordered superconductor pristine RbEuFe4As4 and RbEu(Fe1-xNix)4As4 for x ≤ 0.04 in large pulsed fields | Department of Physics and Astronomy, Hofstra University, 1000 Hempstead Turnpike, Hempstead, NY 11549 USA | USA | June 1, 2021 21:30 to 22:30Poster Hall - 2 |
| Maycon Motta | Widening the range of applicability of superconducting NbN thin films by suppressing flux avalanches | Departamento de Física, Universidade Federal de São Carlos, 13565-905 São Carlos, SP, Brazil | Brazil | June 1, 2021 16:00 to 16:50Poster Hall - 2 |
| Md Arif Ali | A prototype of Superconducting Fault Current Limiter with three dimensionalcurrent mapping ability | Department of Physics, Indian Institute of Technology, Kanpur 208016, Uttar Pradesh | India | May 28, 2021 21:30 to 22:30 Poster Hall - 4 |
| Michal Wyszynski | Skyrmion-affected vortex dynamics in a magnet-superconductor heterostructure | Department of Physics, University of Antwerp, Groenenborgelaan 171, B-2020 Antwerp, Belgium | Belgium | May 28, 2021 16:00 to 16:50Poster Hall -2 |
| P.Neha, Satyabrata Patnaik | Effect of heavy ion irradiation on Mo8Ga41 superconductor | School of Physical Sciences, Jawaharlal Nehru University, New Delhi-10067. | India | May 28, 2021 16:00 to 16:50Poster Hall - 4 |
| Pablo Garcia Campos / Klaus Hasselbach | Visualization by scanning SQUID microscopy of the intermediate state in the superconducting Dirac semimetal PdTe2 | Institut Néel CNRS, 25 av des Martyrs38042 Grenoble, France | France | May 28, 2021 16:00 to 16:50Poster Hall - 3 |
| Pablo Orus | Superconducting properties of in-plane W-C nanowires grown by He+ focused ion beam induced deposition | Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, 50009 Zaragoza, Spain | Spain | May 31, 2021 16:00 to 16:50Poster Hall - 1 |
| Predrag Miranovic | STRUCTURAL TRANSFORMATION OF VORTEX LATTICE IN LOW-𝚱 SUPERCONDUCTORS | Faculty of Natural Sciences and Mathematics,University of Mointenegro,Džorrdža Vašingtona b.b., 81000 Podgorica, Montenegro | Montenegro | May 31, 2021 16:00 to 16:50Poster Hall - 1 |
| R. F. Luccas | MONODISPERSE CARBON SPHERES AS PINNING CENTERS FOR ENHANCED PROPERTIES OF MgB2 SUPERCONDUCTOR CABLES | Institute of Physics Rosario (IFIR), CONICET-UNR, Bv. 27 de Febrero 210bis, S2000EZP Rosario, Santa Fe, Argentina. | Argentina. | May 29, 2021 21:30 to 22:30Poster Hall - 4 |
| Ravi Kumar | Hall Effect for Dirac Electrons in Graphene Exposed to an Abrikosov Flux lattice | Department of Physics, Indian Institute of Science, Bangalore - 560012 | India | June 1, 2021 16:00 to 16:50Poster Hall - 4 |
| Roland Willa | A topological flux trap:Majorana bound states at screw dislocations | Institute for Theory of Condensed Matter, Karlsruhe Institute of Technology, Germany | Germany | May 28, 2021 16:00 to 16:50Poster Hall - 3 |
| Sagar Paul | Enhancement in the micro-SQUID’s flux sensitivity through Stochastic Resonance | Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016, India | India | June 1, 2021 21:30 to 22:30Poster Hall - 1 |
| Sajilesh K P | Probing superconducting gap structure in LaMSi(M=Ni,Pt) using muon spin rotation and relaxation | IISER Bhopal, Bhopal By-pass road, BhauriBhopal, INDIA, 462066 | India | June 1, 2021 16:00 to 16:50Poster Hall - 3 |
| Sergei Kozlov | Probing vortex dynamics in YBCO nanowire using RF illumination | Laboratoire de Physique et d’Etude des Matériaux, CNRS, ESPCI Paris, PSL Research University, UPMC, 75005 Paris | France | May 29, 2021 21:30 to 22:30Poster Hall -3 |
| Siddharatha Thakur | Magneto-optical imaging and manipulation of Abrikosov vortices trapped in high-Tc superconductor | 1) Université de Bordeaux, LP2N, F-33405 Talence, France2) Institut d’Optique & CNRS, LP2N, F-33405 Talence, France. | France | May 28, 2021 16:00 to 16:50Poster Hall - 1 |
| Simon Collienne | Nb-based nanoscale superconducting quantum interference devices tuned by electroannealing | Experimental Physics of Nanostructured Materials, Q-MAT, CESAM, Université de Liège, Sart Tilman, B-4000,Belgium | Belgium | May 31, 2021 16:00 to 16:50Poster Hall - 2 |
| Somesh Chandra Ganguli | Confinement-engineered superconductor to correlated-insulator transition in a van der Waals monolayer | Postdoctoral Researcher, Department of Applied PhysicsAalto University School of Science, NANO BUILDING N230aPuumiehenkuja 2. 02150 Espoo Finland | Finland | May 29, 2021 21:30 to 22:30 Poster Hall - 3 |
| Taras Golod | Mechanisms of vortex-induced Josephson phase shift | Department of Physics, Stockholm University, AlbaNova University Center, SE-10691 Stockholm, Sweden | Sweden | June 1, 2021 16:00 to 16:50Poster Hall - 3 |
| Tianzhen Zhang | Observation of distinct spatial distributions of the zero- and non-zero energy vortex modes in (Li0.84Fe0.16)OHFeSe | State Key Laboratory of Surface Physics, Department of Physics, and Advanced Materials Laboratory, Fudan University, Shanghai 200438, China | China | May 29, 2021 16:00 to 16:60 Poster Hall - 3 |
| Timothy Benseman | Intrinsic Josephson junction Bi2Sr2CaCu2O8 terahertz sources: Achieving high power output above 77 K | Department of Physics, CUNY Queens College6530 Kissena Blvd.Queens, New York 11367 | USA | June 1, 2021 21:30 to 22:30 Poster Hall - 4 |
| Tsutomu Nojima | Vortex-Antivortex Dynamics beyond The BKT State in Ion-Gated MoS2 | Institute for Materials Research, Tohoku University, 2-1-1Katahira, Aoba-ku, Sendai 980-8577 | Japan | May 29, 2021 16:00 to 16:60Poster Hall - 3 |
| Vadim Plastovets | INTERPLAY BETWEEN KIBBLE-ZUREK MECHANISM AND INVERSE FARADAY EFFECT FOR ABRIKOSOV VORTEX GENERATION | University Bordeaux, LOMA UMR-CNRS 5798, 351 cours de la Libération, F-33405 Talence Cedex, France | France | May 29, 2021 21:30 to 22:30Poster Hall - 2 |
| VANDERHEYDEN Benoit | METAMORPHOSIS OF D-LINES AND RECTIFICATION OF MAGNETIC FLUX AVALANCHES IN THE PRESENCE OF NON-CENTROSYMMETRIC PINNING FORCES | Montefiore Research Unit, Department of Electrical Engineering and Computer Science,Université de Liège, 4000 Sart Tilman, Belgium | Belgium | May 28, 2021 16:00 to 16:50Poster Hall - 1 |
| Wei Xie | Magnetic Field Penetration and Magnetizations in Nb, N-doped Nb and NbTi Plates | National Laboratory of Solid State Microstructures and Department of Physics, Center for Superconducting Physics and Materials, Collaborative Innovation Center for Advanced Microstructures, Nanjing University, Nanjing 210093, China | China | May 29, 2021 16:00 to 16:60Poster Hall - 4 |
| Xiangyu Song | Critical current and magnetic interference effects in topological superconducting arrays of Nb islands coupled through Bi2Se3 epitaxial films | Department of Physics, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA | United States | June 1, 2021 21:30 to 22:30Poster Hall - 4 |
| Yoichi Higashi | Microscopic theory for disorder and anisotropy enhanced superconductivity in atomic layer crystalline materials | Research Institute for Advanced Electronics and Photonics,National Institute of Advanced Industrial Science and Technology (AIST)Room# E312b, 2-1E Bldg.AIST Tsukuba Central 21-1-1 Umezono, Tsukuba, Ibaraki 305-8568, Japan | Japan | May 29, 2021 16:00 to 16:60Poster Hall - 4 |
| Yusuke Masaki | Vortices in 3P2 Superfluid: Majorana fermion and non-Abelian half-quantum vortex | Department of Physics, Graduate School of Science, Tohoku University6-3, Aramaki Aza-Aoba, Aoba-ku, Sendai 980-8578, JAPAN | Japan | May 29, 2021 16:00 to 16:60Poster Hall - 1 |
| Zhongtang Xu | Transport characterization and pinning analysis of BaFe1.9Ni0.1As2.05 thin films | No. 6 Beiertiao, Zhongguancun, Beijing | China | May 29, 2021 16:00 to 16:60Poster Hall - 1 |

\*You may use the resources given on our website ( <https://www.iitk.ac.in/vortex2021/program.html>)

as well as other time zone converters available on the internet to convert the Indian time zones to your times. We also include a summary below.

