

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.

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 UAB 08193 Bellaterra, Spain	Spain	May 31, 2021 16:00 to 16:50 <u>Poster - Hall -2</u>
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 22:30 <u>Poster Hall -4</u>
Allan Leishman	TOPOLOGICAL BARRIER FOR SKYRMION LATTICE FORMATION IN MnSi	225 Nieuwland Science Hall University of Notre Dame Notre Dame, IN 46556	USA	June 1, 2021 21:30 to 22:30 <u>Poster - Hall -1</u>
Arushi	Unconventional superconducting properties of a new Re-rich non-centrosymmetric α -Mn superconductor, Re _{5.5} Ta	Crystal Growth Lab, AB3, Indian Institute of Science Education and Research, Bhopal, India-462066	India	June 1, 2021 16:00 to 16:50 <u>Poster - Hall -1</u>
Balazs Ujfalussy	Magnetic adatoms on conventional superconductor surfaces	Wigner Research Centre for Physics, POB 49 H-1056 Budapest, Hungary	Hungary	May 28, 2021 21:30 to 22:30 <u>Poster Hall -4</u>

Biplab Bag	Scaling of I-V curves and identification of non-equilibrium phase transitions at two unique depinning thresholds in 2H-NbS ₂ 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 22:30 <u>Poster - Hall - 1</u>
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 22:30 <u>Poster - Hall- 1</u>
Daniele Torsello	Interplay between magnetism and superconductivity in EuFe ₂ (As _{1-x} P _x) 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 16:60 <u>Poster Hall - 1</u>
Davi A. D. Chaves	Decreasing the flux front penetration depth in a Nb thin film under inhomogeneous magnetic field	Federal University of São Carlos, PO Box 676, 13565-095, São Carlos, SP, Brazil.	Brazil	May 29, 2021 21:30 to 22:30 <u>Poster Hall - 2</u>
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 <u>Poster Hall - 4</u>

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 Magnetismo Rodovia Washington Luiz, km 235 CEP: 13565-905 Caixa Postal: 676 São Carlos - SP Brazil.	Brazil	June 1, 2021 21:30 to 22:30 <u>Poster Hall - 1</u>
Eylon Persky	Imaging the magnetic landscape of chiral superconductor candidate 4Hb-TaS ₂	Bar Ilan University Department of Physics, Bar-Ilan University, Ramat-Gan 5290002, Israel	Israel	May 28, 2021 21:30 to 22:30 <u>Poster Hall - 3</u>
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 16:50 <u>Poster Hall - 3</u>
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 22:30 <u>Poster Hall - 3</u>
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 22:30 <u>Poster Hall - 2</u>
Govindarajan P	Symmetry reorientation transition in the vortex lattice and flux jumps in single crystals of V ₃ Si superconductor	IISER Thiruvananthapuram, Maruthamala P.O., Vithura, Thiruvananthapuram - 695551, India	India	May 28, 2021 16:00 to 16:50 <u>Poster Hall - 2</u>

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 16:50 Poster 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 Technology SE-100 44 Stockholm Sweden	Sweden	June 1, 2021 16:00 to 16:50 <u>Poster Hall - 2</u>
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 16:50 <u>Poster Hall - 4</u>
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 22:30 <u>Poster Hall - 2</u>
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 22:30 <u>Poster Hall - 3</u>

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 16:50 <u>Poster Hall - 3</u>
Kapil Motla	Superconducting Properties of α -Mn High Entropy Alloy Superconductors	Crystal Growth Lab AB-3, Pincode-462066 Indian Institute of Science Education and Research Bhopal (INDIA)	India	June 1, 2021 16:00 to 16:50 <u>Poster Hall - 3</u>
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 22:30 <u>Poster Hall - 2</u>
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 22:30 <u>Poster Hall - 1</u>
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 16:50 <u>Poster Hall - 3</u>
Mamta	Study of the Flux Pinning Properties of YBCO: NaNbO ₃ Nanorods Composite Superconductor	MS-408, Department of Physics, IIT Delhi, New Delhi	India	May 28, 2021 16:00 to 16:50 <u>Poster Hall - 1</u>
MANASI MANDAL	Superconductivity in Chemically Doped Type-II Weyl Semimetal	ROOM NO 409, IISER BHOPAL HOSTEL 2, Bhopal bypass road, Bhopal, Madhya Pradesh, India-462066	India	June 1, 2021 16:00 to 16:50 <u>Poster Hall - 2</u>

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 16:50 <u>Poster Hall - 2</u>
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 16:60 <u>Poster Hall - 2</u>
Matthew Smylie	Superconducting phase diagram of magnetically ordered superconductor pristine RbEuFe ₄ As ₄ and RbEu(Fe _{1-x} Ni _x) ₄ As ₄ for $x \leq 0.04$ 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 22:30 <u>Poster Hall - 2</u>
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 16:50 <u>Poster Hall - 2</u>
Md Arif Ali	A prototype of Superconducting Fault Current Limiter with three dimensional current mapping ability	Department of Physics, Indian Institute of Technology, Kanpur 208016, Uttar Pradesh	India	May 28, 2021 21:30 to 22:30 <u>Poster Hall - 4</u>
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 16:50 <u>Poster Hall - 2</u>
P.Neha, Satyabrata Patnaik	Effect of heavy ion irradiation on Mo ₈ Ga ₄ 1 superconductor	School of Physical Sciences, Jawaharlal Nehru University, New Delhi-10067.	India	May 28, 2021 16:00 to 16:50 <u>Poster Hall - 4</u>

Pablo Garcia Campos / Klaus Hasselbach	Visualization by scanning SQUID microscopy of the intermediate state in the superconducting Dirac semimetal PdTe ₂	Institut Néel CNRS, 25 av des Martyrs 38042 Grenoble, France	France	May 28, 2021 16:00 to 16:50 <u>Poster Hall - 3</u>
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 16:50 <u>Poster Hall - 1</u>
Predrag Miranovic	STRUCTURAL TRANSFORMATION OF VORTEX LATTICE IN LOW-K SUPERCONDUCTORS	Faculty of Natural Sciences and Mathematics, University of Montenegro, Džorrdža Vašingtona b.b., 81000 Podgorica, Montenegro	Montenegro	May 31, 2021 16:00 to 16:50 <u>Poster Hall - 1</u>
R. F. Luccas	MONODISPERSE CARBON SPHERES AS PINNING CENTERS FOR ENHANCED PROPERTIES OF MgB ₂ SUPERCONDUCTOR CABLES	Institute of Physics Rosario (IFIR), CONICET-UNR, Bv. 27 de Febrero 210bis, S2000EZF Rosario, Santa Fe, Argentina.	Argentina.	May 29, 2021 21:30 to 22:30 <u>Poster Hall - 4</u>
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 16:50 <u>Poster Hall - 4</u>
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 16:50 <u>Poster Hall - 3</u>
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 22:30 <u>Poster Hall - 1</u>

Sajilesh K P	Probing superconducting gap structure in LaMSi(M=Ni,Pt) using muon spin rotation and relaxation	IISER Bhopal, Bhopal By-pass road, Bhauri Bhopal, INDIA, 462066	India	June 1, 2021 16:00 to 16:50 <u>Poster Hall - 3</u>
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 22:30 <u>Poster Hall - 3</u>
Siddharatha Thakur	Magneto-optical imaging and manipulation of Abrikosov vortices trapped in high-Tc superconductor	1) Université de Bordeaux, LP2N, F-33405 Talence, France 2) Institut d'Optique & CNRS, LP2N, F-33405 Talence, France.	France	May 28, 2021 16:00 to 16:50 <u>Poster Hall - 1</u>
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 16:50 <u>Poster Hall - 2</u>
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 <u>Poster Hall - 3</u>

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 16:50 <u>Poster Hall - 3</u>
Tianzhen Zhang	Observation of distinct spatial distributions of the zero- and non-zero energy vortex modes in (Li _{0.84} Fe _{0.16})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 <u>Poster Hall - 3</u>
Timothy Benseman	Intrinsic Josephson junction Bi ₂ Sr ₂ CaCu ₂ O ₈ terahertz sources: Achieving high power output above 77 K	Department of Physics, CUNY Queens College 6530 Kissena Blvd. Queens, New York 11367	USA	June 1, 2021 21:30 to 22:30 <u>Poster Hall - 4</u>
Tsutomu Nojima	Vortex-Antivortex Dynamics beyond The BKT State in Ion-Gated MoS ₂	Institute for Materials Research, Tohoku University, 2-1-1Katahira, Aoba-ku, Sendai 980-8577	Japan	May 29, 2021 16:00 to 16:60 <u>Poster Hall - 3</u>
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 22:30 <u>Poster Hall - 2</u>

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 16:50 <u>Poster Hall - 1</u>
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 16:60 <u>Poster Hall - 4</u>
Xiangyu Song	Critical current and magnetic interference effects in topological superconducting arrays of Nb islands coupled through Bi ₂ Se ₃ epitaxial films	Department of Physics, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA	United States	June 1, 2021 21:30 to 22:30 <u>Poster Hall - 4</u>

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 2 1-1-1 Umezono, Tsukuba, Ibaraki 305-8568, Japan	Japan	May 29, 2021 16:00 to 16:60 <u>Poster Hall - 4</u>
Yusuke Masaki	Vortices in 3P2 Superfluid: Majorana fermion and non-Abelian half-quantum vortex	Department of Physics, Graduate School of Science, Tohoku University 6-3, Aramaki Aza-Aoba, Aoba-ku, Sendai 980-8578, JAPAN	Japan	May 29, 2021 16:00 to 16:60 <u>Poster Hall - 1</u>
Zhongtang Xu	Transport characterization and pinning analysis of BaFe _{1.9} Ni _{0.1} As _{2.05} thin films	No. 6 Beiertiao, Zhongguancun, Beijing	China	May 29, 2021 16:00 to 16:60 <u>Poster Hall - 1</u>

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Tokyo: 20:30 to 01:00 (IST + 3 hours 30 minutes)
Beijing : 19:30 - 00:00 (IST + 2 hours 30 mins)
India, IST: 17:00 to 21:30
UK : 12:30 to 17:00 (IST - 4 hour 30 minutes)
Brussels: 13:30 to 18:00 (IST - 3 hours 30 mins)
Paris: 13:30 to 18:00 (IST - 3 hours 30 mins)
Sweden: 13:30 to 18:00 (IST - 3 hours 30 mins)
Buenos Aires: 8:30 to 13:00 (IST - 8 hours 30 mins)
Rio de Janerio: 8:30 to 13:00 (IST - 8 hours 30 mins)
New York: 7:30 to 12:00 (IST - 9 hours 30 mins)
Indianapolis:7:30 to 12:00 (IST - 9 hours 30 mins)
Massachusetts:7:30 to 12:00 (IST - 9 hours 30 mins)
Chicago : 6:30 to 11:00 (IST - 10 hours 30 mins.)
Los Angeles/California: 4:30 to 9:00 (IST - 12 hours 30 mins)
New Mexico: 5:30 - 10:00 (IST - 11 hours 30 mins)