

FICORE seed-funded projects

The following projects are seed funded by Finnish universities that are partners in the [FICORE](#) network. These projects are carried out during 2021-24. The projects foster collaboration in education, research, and innovation.

FICORE Seed funded project 2021-2024				
	PI and affiliation	Theme	Finnish partners and affiliation	Indian partners and affiliation
1	Prof. Paavo Alku - Aalto University	speech technology, health technology, speech-based biomarking of health	Prof. Ahmed Geneid - HUS Prof. Okko Räsänen - Tampere University Prof. Anne-Maria Laukkanen - Tampere University MD. Tuomo Nieminen - Päijät-Häme Joint Authority for Health and Wellbeing	Prof. Bayya Yegnanarayana - IIIT Hyderabad Prof. Anil Kumar Vuppala - IIIT Hyderabad Prof. Sreenivasa Rao - IIT Kharagpur
2	Dr. Hossein Baniyadi - Aalto University	Biomaterials modification Biomedical applications Additive manufacturing	Dr. Nina Lindfors - HUS	Prof. Ashok Kumar - IIT Kanpur
3	Associate Professor Christian Flindt - Aalto University	Quantum science and technology		Assistant professor Archak Purkayastha - IIIT Hyderabad Mr. Sumit Kumar Jana - IIIT Hyderabad Dr. Madhumita Saha, International Centre for Theoretical Sciences
4	Prof. Risto Ilmoniemi - Aalto University	Neuroscience, Biomedical Engineering, Neurology	HUS Nexstim	Prof. Nivethida Thirugnanasambandam - IIT Bombay
5	Associate Professor Mikko Möttönen - Aalto University	Quantum computation, Quantum technology, Quantum algorithm	Dr. Matti Silveri - OU Dr. Mikael Johansson - UH Dr. Ville Kotovirta - VTT	Associate Professor Rajamani Vijayaraghavan - Tata Institute of Fundamental Research (TIFR)

6	Prof. Petri Mähönen - Aalto University	Wireless Communications, Distributed Intelligence, Sustainable Security		Assistant Professor Abhishek Gupta - IIT Kanpur Associate Professor Nitin Auluck – IIT Ropar
7	Assistant Professor Caterina Soldano - Aalto University	organic materials and devices, electrochromic devices, optoelectronics		Assistant Professor Prakash Chandra Mondal, IIT Kanpur
8	Associate professor Teemu Leinonen - Aalto University	Living Labs, Algorithmic Literacy, Inclusion	Dr. Sumita Sharma - OU Dr. Eva Durall - OU Irena Bakic Irena - City of Espoo	Prof. Vijay Chandru - Indian Institute of Science IISc Prof. Umakant Soini - Artpark, India
9	Prof. Paavo Alku - Aalto University	Speech technology	Prof. Ahmed Geneid - HUS Prof. Okko Räsänen - Tampere University	Prof. Bayya Yegnanarayana - IIIT Hyderabad Prof. Anil Kumar Vuppala - IIIT Hyderabad Prof. Sreenivasa Rao - IIT Kharagpur
10	Prof. Risto Ilmoniemi - Aalto University	Brain stimulation research and therapy	Prof. Hanna Renvall - HUS	Prof. Nivethida Thirugnanasambandam - IIT Bombay
11	Prof. Riku Jäntti - Aalto University	Communications Engineering	6G-OU	Prof. Swades De - IIT Delhi
12	Prof. Visa Koivunen - Aalto University	Integrated radio frequency sensing and communications		Prof. Sundeep Prabhakar Chepuri - Indian Institute of Science IISc
13	Prof. Eero Kontturi - Aalto University Prof. Marjatta Louhi - Aalto University	Biomaterials and biocomposites	Prof. Amit Bhatnagar - LUT Prof. Antti Haapala - UEF Prof. Ossi Turunen - UEF	Prof. Vikas Kumar Dubey and Prof. Prodyut Dhar - IIT BHU Prof. Vibhore K. Rastogi - IIT Roorkee Prof. Rintu Banerjee and Prof. Ramkrishna Sen - IIT Kharagpur
14	Dr. Manohar Kumar - Aalto University	Foundational QT and metrology	Prof. Shawulienu Kezilebieke - JYU	Prof. Sudhansu S. Mandal - IIT Kharagpur
15	Associate professor Teemu Leinonen - Aalto University	Learning and ethics with AI	Prof. Netta Iivari - OU Dr. Sumita Sharma - OU Dr. Eva Durall - OU	Prof. Vijay Chandru - Indian Institute of Science IISc Prof. Umakant Soini - Artpark, India
16	Prof. Mikko Möttönen - Aalto University	Quantum technology	Prof. Matti Silveri - OU Prof. Mikael Johansson - UH Dr. Ville Kotovirta - VTT	Prof. Rajamani Vijayaraghavan - Tata Institute of Fundamental Research (TIFR)

17	Prof. Juho Rousu - Aalto University	AI in biomedicine	Prof. Tero Aittokallio - UH Prof. Tapio Pahikkala - UTU	Prof. Sahely Badra - IIT Palakkad Prof. Karthik Raman - IITM
18	Prof. Jukka Seppälä - Aalto University	Biopolymers	Prof. Rama Layek - LUT Dr. Nina Lindfors - HUS	Prof. Ashok Kumar - IIT Kanpur
19	Prof. Olav Tirkkonen - Aalto University	6G Wireless systems		Prof. Manav R. Bhatnagar - IIT Delhi
20	Prof. Amit Bhatnagar - LUT	Biomaterials and biocomposites	Prof. Eero Kontturi - Aalto University Prof. Marjatta Louhi - Aalto University Prof. Antti Haapala - UEF Prof. Ossi Turunen - UEF	Prof. Vikas Kumar Dubey and Prof. Prodyut Dhar.- IIT BHU Prof. Vibhore K. Rastogi.- IIT Roorkee Prof. Rintu Banergee and Prof. Ramkrishna Sen.- IIT Kharagpur
21	Prof. Rama Layek - LUT	Biopolymers	Prof. Jukka Seppälä - Aalto University	Prof. Pralay Maiti - IIT BHU
22	Associate Professor Miguel Bordallo López - Oulu University	Coordinated multimodal sensing for 6G applications	Center for Machine Vision and Signal Analysis - Oulu University	Multimodal Perception Lab- IIIT Bangalore
23	Assistant Professor Erkki Harjula - Oulu University	Distributed and trustworthy edge-cloud architecture for future 6G-enabled healthcare		IIT Indore
24	Associate Professor Marianne Kinnula - Oulu University	Envisioning sustainable 6G smart schools with children, by children	Aalto University Tampere University	Microsoft Research India - Bengaluru IIT Mumbai, Industrial Design Center IIT Kanpur IIIT Delhi
25	Associate Professor Teemu Myllylä - Oulu University	Joint bio and radar-sensing and communication in Vehicle-to-everything (V2X) network	Research Unit of Medical Imaging, Physics and Technology - Oulu University ITEE, Oulu University	IIT (BHU), Varanasi Thapar Institute of Engineering & Technology (TIET), Patiala
26	Research Director Susanna Pirttikangas - Oulu University	Energy-Efficient urban sensing in developing regions under extreme budget and network		IIIT Delhi
27	Prof. Nandana Rajatheva - Oulu University	AI-ML Beamforming		Prof. Vimal Bhatia - IIT Indore Prof. Kuntal Deka - IIT Guwahati Prof. Sanjeev Sharm - IIT BHU

28	Prof. Goery Genty - Tampere University	Photonics	Aalto University	IIT Madras
29	Prof. Markku Turunen - Tampere University	AI in virtual technology, Mental health	Oulu University	Prof. Anirudha Joshi - IIT Bombay Prof. Keyur Sorathia - IIT Guwahati , IIIT Delhi Prof. Jayesh Pillai - IIT Guwahati , IIIT Delhi Prof. Grace Eden - IIIT Delhi
30	Prof. Mikko Valkama - Tampere University	Wireless technology	Aalto University Oulu University	IIT Indore Hyderabad University Goa University IIT Roorkee IIIT Hyderabad
31	Prof. Hanna Lehtimäki - UEF Dr. Victor Carrasco Navarro - UEF	Circular economy solutions for microplastics: Indo-Finnish scientific collaboration for innovation	Associate Professor Marika Kokkko - Tampere University	Prof. Vivek Kumar and Prof. Pooja Ghosh - IIT Delhi Prof. Sudip Mitra - IIT Guwahati Prof. Surya Pratap Singh - IIT Dharwad
32	Prof. Erkki Sutinen - University of Turku	Engineering, sustainability	Prof. Markku Tukianen and his team - UEF UniPID	University of Namibia GOBABEB Prof. Kavi Arya - IIT Bombay
33	Prof. Cataldo De Blasio - Åbo Akademi University	Energy technology		Prof. Shantanu Roy - IIT Delhi Prof. A. Modi - IIT Bombay Prof. S. Kumar - IIT Bombay
34	Prof. Tan-Phat Huynh - Åbo Akademi University	Physical Chemistry		Prof. Amit Jaiswal - IIT Mandi
35	Adjunct Prof. Outi Salo-Ahen - Åbo Akademi University	Molecular Medicine/Al Structure-Based Drug Design		Prof. Angamuthu Selvapandiyan - Jamia Hamdard, New Delhi
36	Prof. Henrik Saxén - Åbo Akademi University	Chemical engineering		Prof. N.N. Viswanathan - IIT Bombay
37	Dr. Patrik Yrjas - Åbo Akademi University	Inorganic chemistry		Prof. Ravikrishnan Vinu - IIT Madras
38	Prof. Ronald Österbacka - Åbo Akademi University	Physics	TAU Oulu University	Prof. Dipti Gupta - IIT Bombay