

No:	RI	Category (please refer to the SINGA website on this)	Supervisor's Name	Supervisor's Designation	Website address of personal webpage (if any)	Email Contact	Potential PhD Project Title/Area	Degree Awarded By
1	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	Albertus Denny Handoko	Scientist I	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/596.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/596.aspx</a>	adhandoko@imre.a-star.edu.sg	Functional inorganic thin films/nano structures for photo and electrocatalytic renewable energy and valuable chemicals generation from CO2 and water.	
2	IMRE	Electronics & Photonics	Andrew NGO	Scientist III	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/233.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/233.aspx</a>	ngocva@imre.a-star.edu.sg	1. Artificial intelligent (AI) assisted, non-destructive testing (NDT) for crack detection in metal alloys 2. Artificial intelligent (AI) assisted, non-destructive testing (NDT) for residual stress (RS) detection in metal alloys 3. Artificial intelligent (AI) assisted, non-destructive inspection (NDI) for defect detection	
3	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	Chellappan Vijila	Scientist III/Adjunct Associate Professor at Mechanical Engineering, NUS	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/26.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/26.aspx</a>	c-vijila@imre.a-star.edu.sg	1. Optical and electrical properties of 2D materials 2. Advanced Energy materials and devices 3. Nature and dynamics of photoexcitations in optoelectronic materials 4. Perovskite type Solar cell devices and materials	
4	IMRE	Materials Sciences	Chen Shuting	Scientist II		chenst@imre.a-star.edu.sg	Smart materials, particularly ferroelectric and piezoelectric materials for electrical applications. Development of ultrasonic transducers using novel piezoelectric material/structure for non-destructive testing (NDT) applications.	
5	IMRE	Chemical and Pharmaceutical Processing, reactor design, formulation processes	Chen Xinwei	Scientist II		chenxw@imre.a-star.edu.sg	Concentrating through nanofiltration rather than vaporization for drastic energy-cut in pharmaceutical industry / Membrane Science	
6	IMRE	Functional materials (polymer; hybrid)	Chen Xinwei	Scientist II		chenxw@imre.a-star.edu.sg	Reducing humidity through membranes for urban sustainability / Membrane Science	
7	IMRE	Materials Sciences	Chen Xinwei	Scientist II		chenxw@imre.a-star.edu.sg	Harnessing Low-Grade Heat using Membrane / Membrane and Low Grade Heat	
8	IMRE	Materials Sciences	Chen Xinwei	Scientist II		chenxw@imre.a-star.edu.sg	Designing Anti-bacteria Adhesion Surfaces for Better Urban Living / Anti-fouling Surfaces	
9	IMRE	Materials Sciences	Chen Xinwei	Scientist II		chenxw@imre.a-star.edu.sg	Designing Membrane for Water-Energy Nexus / Membrane and Energy	
10	IMRE	Functional materials (polymer; hybrid)	CHENG Weiren	Scientist II / Co-Manager CCT		chengwr@imre.a-star.edu.sg	Development of nanogels via surfactant-free approach in biomedical applications Antimicrobial polymers	
11	IMRE	Materials Sciences	CHENG Weiren	Scientist II / Co-Manager CCT		chengwr@imre.a-star.edu.sg	Development of nanogels via surfactant-free approach in biomedical applications Antimicrobial polymers	
12	IMRE	Nano Science and Technology	CHENG Weiren	Scientist II / Co-Manager CCT		chengwr@imre.a-star.edu.sg	Development of nanogels via surfactant-free approach in biomedical applications Antimicrobial polymers	
13	IMRE	Pharmaceutical Science and Technology	CHENG Weiren	Scientist II / Co-Manager CCT		chengwr@imre.a-star.edu.sg	Development of nanogels via surfactant-free approach in biomedical applications Antimicrobial polymers	
14	IMRE	Nano Science and Technology	Chi Dongzhi	Principal Scientist I/ Senior Research Councillor		dz-chi@imre.a-star.edu.sg	Large area growth of atomically thin 2D semiconductors; 2D phononics and thermoelectrics	
15	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	Chiam Sing Yang	Senior Scientist I		chiamsy@imre.a-star.edu.sg	Surface and interface studies for electronic and energy related applications	
16	IMRE	Electronics/Photonics /Solid State Devices	Chiam Sing Yang	Senior Scientist I		chiamsy@imre.a-star.edu.sg	Surface and interface studies for electronic and energy related applications	
17	IMRE	Materials Sciences	Chiam Sing Yang	Senior Scientist I		chiamsy@imre.a-star.edu.sg	Surface and interface studies for electronic and energy related applications	
18	IMRE	Nano Science and Technology	Chiam Sing Yang	Senior Scientist I		chiamsy@imre.a-star.edu.sg	Surface and interface studies for electronic and energy related applications	
19	IMRE	Functional materials (polymer; hybrid)	David Paramelle	Scientist II		paramelled@imre.a-star.edu.sg	Design and evaluation of organic-inorganic hybrid nanoparticles	
20	IMRE	Materials Sciences	David Paramelle	Scientist II		paramelled@imre.a-star.edu.sg	Design and evaluation of nanoparticle-based reagents for <i>in vitro</i> and <i>in vivo</i> biological and medical applications	
21	IMRE	Nano Science and Technology	David Paramelle	Scientist II		paramelled@imre.a-star.edu.sg	Design and evaluation of nanoparticle-based reagents for <i>in vitro</i> and <i>in vivo</i> biological and medical applications	
22	IMRE	Materials Sciences	Derrick Wen Hui Fam	Scientist I		derrickfamwh@imre.a-star.edu.sg	Carbon nanostructure-dichalcogenide composites for energy storage Structural energy storage devices	
23	IMRE	Electronics/Photonics /Solid State Devices	Donna Xiaodong Zhou	Senior Scientist I		donna-zhou@imre.a-star.edu.sg	Localized surface plasmon resonance based biosensing for point-of-care application Point-of-care system development for diagnostics Inexpensive and highly sensitive bioassays Micro total analysis system ( $\mu$ TAS) for on-site detections	

24	IMRE	Micro-Electro-Mechanical Systems technology, sensors and detectors	Donna Xiaodong Zhou	Senior Scientist I	donna-zhou@imre.a-star.edu.sg	Localized surface plasmon resonance based biosensing for point-of-care application Point-of-care system development for diagnostics Inexpensive and highly sensitive bioassays Micro total analysis system ( $\mu$ TAS) for on-site detections	
25	IMRE	Microfluidics and Lab on Chip Technology	Donna Xiaodong Zhou	Senior Scientist I	donna-zhou@imre.a-star.edu.sg	Localized surface plasmon resonance based biosensing for point-of-care application Point-of-care system development for diagnostics Inexpensive and highly sensitive bioassays Micro total analysis system ( $\mu$ TAS) for on-site detections	
26	IMRE	Miniaturized medical device and Biosensors	Donna Xiaodong Zhou	Senior Scientist I	donna-zhou@imre.a-star.edu.sg	Localized surface plasmon resonance based biosensing for point-of-care application Point-of-care system development for diagnostics Inexpensive and highly sensitive bioassays Micro total analysis system ( $\mu$ TAS) for on-site detections	
27	IMRE	Nano Science and Technology	Donna Xiaodong Zhou	Senior Scientist I	donna-zhou@imre.a-star.edu.sg	Localized surface plasmon resonance based biosensing for point-of-care application Point-of-care system development for diagnostics Inexpensive and highly sensitive bioassays Micro total analysis system ( $\mu$ TAS) for on-site detections	
28	IMRE	Electronics/Photonics/Solid State Devices	Goh Kuan Eng Johnson	Adj A/Prof at NUS (Physics)	gohj@imre.a-star.edu.sg	Spin-valley Qubits for Quantum Information Technology	NUS
29	IMRE	Nano Science and Technology	Goh Kuan Eng Johnson	Adj A/Prof at NUS (Physics)	gohj@imre.a-star.edu.sg	2D materials for neural circuits	NUS
30	IMRE	Electronics/Photonics/Solid State Devices	Goh Kuan Eng Johnson	Adj A/Prof at NUS (Physics)	gohj@imre.a-star.edu.sg	Valleytronic devices	NUS
31	IMRE	Materials Sciences	Goh Kuan Eng Johnson	Adj A/Prof at NUS (Physics)	gohj@imre.a-star.edu.sg	Charge transport properties in 2D Materials	NUS
32	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	Gregory Goh	Adj A/Prof at MSE, NTU	g-goh@imre.a-star.edu.sg	Pervoskite solar cells, Green building materials	NTU
33	IMRE	Materials Sciences	Gregory Goh	Adj A/Prof at MSE, NTU	g-goh@imre.a-star.edu.sg	Solution epitaxy of ZnO - defects and doping Hydrothermal epitaxy of lead-free ferroelectric and piezoelectric films and nanostructures Functional inorganic films and nanostructures for superhydrophilicity, superhydrophobicity, transparent conduction, solar control, thermochromics, photocatalysis, electrochromics	NTU
34	IMRE	Nano Science and Technology	Gregory Goh	Adj A/Prof at MSE, NTU	g-goh@imre.a-star.edu.sg	Functional inorganic films and nanostructures for superhydrophilicity, superhydrophobicity, transparent conduction, solar control, thermochromics, photocatalysis, electrochromics	NTU
35	IMRE	Materials Sciences	Han Ming Yong	Senior Scientist III	my-han@imre.a-star.edu.sg	Functionalized Nanostructures for Biomedical Applications	
36	IMRE	Nano Science and Technology	Han Ming Yong	Senior Scientist III	my-han@imre.a-star.edu.sg	Functionalized Nanostructures for Biomedical Applications	
37	IMRE	Materials Sciences	He Chaobin	A/Prof at FOE, NUS	cb-he@imre.a-star.edu.sg	Polymer nanocomposites Organic inorganic hybrids Block copolymers and self-assembly Scattering method in polymer research	
38	IMRE	Electronics/Photonics/Solid State Devices	Huang Xiaohu		huangxh@imre.a-star.edu.sg	Advanced inorganic thin films Advanced ceramics for aerospace application Advanced nanomaterials for nanophotonics, nanomagnetism, nanoelectronics, and catalysis	
39	IMRE	Materials Sciences	Huang Xiaohu		huangxh@imre.a-star.edu.sg	Advanced inorganic thin films Advanced ceramics for aerospace application Advanced nanomaterials for nanophotonics, nanomagnetism, nanoelectronics, and catalysis	
40	IMRE	Nano Science and Technology	Huang Xiaohu		huangxh@imre.a-star.edu.sg	Advanced inorganic thin films Advanced ceramics for aerospace application Advanced nanomaterials for nanophotonics, nanomagnetism, nanoelectronics, and catalysis	
41	IMRE	Materials Sciences/Engineering	Ivan Tan Chee Kiang	Joint appointment at Advanced Remanufacturing Technology Centre (ARTC)	<a href="https://www.linkedin.com/in/chee-kiang-ivan-tan-b6484b67/">https://www.linkedin.com/in/chee-kiang-ivan-tan-b6484b67/</a> ivan-tan@imre.a-star.edu.sg	(1) Fatigue lifetime enhancement of Additive manufacturing 3D parts. (2) Advanced materials for Selective Laser melting Process.	

42	IMRE	Materials Sciences	Jatin Nitin Kumar	Scientist 1		kumarjn@imre.a-star.edu.sg	The Development of Natural Polymers for Nanomedical Applications; development of novel small molecules and polymers for organic/inorganic hybrid electronic materials; Accelerated Materials Development - using machine learning to design new formulations and thermoelectric or polymeric materials	
43	IMRE	Electronics/Photonics/Solid State Devices	Joel K.W. Yang	Ast/Prof at Engineering Product Development, SUTD		yangkwj@imre.a-star.edu.sg	Nanoscope optical resonators for color printing applications	
44	IMRE	Nano Science and Technology	Joel K.W. Yang	Ast/Prof at Engineering Product Development, SUTD		yangkwj@imre.a-star.edu.sg	Nanofabrication of Plasmonic Nano Antennas and Optical Resonators for applications in 100,000 dpi color printing, and anti-counterfeiting features, light-sources, and lasers.	
45	IMRE	Electronics/Photonics/Solid State Devices	Ke Lin				THz Technology Development and Applications	
46	IMRE	Electronics/Photonics/Solid State Devices	Ke Lin				THz Technology Development and Applications	
47	IMRE	Materials Sciences	Kedar Hippalgaonkar	Adj Ast/Prof at NTU-MSE	<a href="https://kedarh.wixsite.com/manotransport">https://kedarh.wixsite.com/manotransport</a>	kedarh@imre.a-star.edu.sg	<b>Artificial Intelligence in Materials Science</b> , Thermal, electrical and Thermoelectric transport; Energy devices and systems	NTU
48	IMRE	Functional materials (polymer; hybrid)	Li Xu	Adj A/Prof at FOS, NUS		x-li@imre.a-star.edu.sg	Nanostructured hybrid polymer materials and their application	NUS
49	IMRE	Materials Sciences	Li Xu	Adj A/Prof at FOS, NUS		x-li@imre.a-star.edu.sg	Nanostructured hybrid polymer materials and their application	NUS
50	IMRE	Nano Science and Technology	Li Xu	Adj A/Prof at FOS, NUS		x-li@imre.a-star.edu.sg	Nanostructured hybrid materials for energy storage; Nanostructured hybrid materials for biomedical applications	NUS
51	IMRE	Functional materials (polymer; hybrid)	Li Zibiao	Scientist		lizb@imre.a-star.edu.sg	Stereocomplex Induced High Performance PLA and Applications  Development of Electroactive Shape Memory Polymers for Wearable Electronics	
52	IMRE	Materials Sciences	Li Zibiao	Scientist		lizb@imre.a-star.edu.sg	Stereocomplex Induced High Performance PLA and Applications  Development of Electroactive Shape Memory Polymers for Wearable Electronics	
53	IMRE	Nano Science and Technology	Li Zibiao	Scientist		lizb@imre.a-star.edu.sg	Stereocomplex Induced High Performance PLA and Applications  Development of Electroactive Shape Memory Polymers for Wearable Electronics	
54	IMRE	Organic Electronics/Printed Electronics	Li Zibiao	Scientist		lizb@imre.a-star.edu.sg	Stereocomplex Induced High Performance PLA and Applications  Development of Electroactive Shape Memory Polymers for Wearable Electronics	
55	IMRE	Pharmaceutical Science and Technology	Li Zibiao	Scientist		lizb@imre.a-star.edu.sg	Stereocomplex Induced High Performance PLA and Applications  Development of Electroactive Shape Memory Polymers for Wearable Electronics	
56	IMRE	Electronics/Photonics/Solid State Devices	Liu Hong	Head of Department, Nanofabrication/Senior Scientist	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191</a>	h-liu@imre.a-star.edu.sg	Active tunable metasurfaces and metadevices integrated with soft and hard materials for reconfigurable and ultrafast switching; their applications include wavefront engineering, high NA tunable metalenses, super resolution imaging and optical nanolithography	
57	IMRE	Materials Sciences	LIU Hong	Head of Department, Nanofabrication/Senior Scientist	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191</a>	h-liu@imre.a-star.edu.sg	Single crystalline materials and growth techniques for plasmonics and nanophotonics applications; Atomic layer deposition of optically tunable materials for metasurfaces and metadevices	
58	IMRE	Micro-Electro-Mechanical Systems technology, sensors and detectors	Liu Hong	Head of Department, Nanofabrication/Senior Scientist	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191</a>	h-liu@imre.a-star.edu.sg	Active, reversible, ultrafast response and tunable MEMS device for optical applications	
59	IMRE	Nano Science and Technology	Liu Hong	Head of Department, Nanofabrication/Senior Scientist	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/191</a>	h-liu@imre.a-star.edu.sg	Active tunable metasurfaces and metadevices integrated with soft and hard materials for reconfigurable and ultrafast switching; their applications include wavefront engineering, high NA tunable metalenses, super resolution imaging and optical nanolithography	
60	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	
61	IMRE	Electronics/Photonics/Solid State Devices	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	
62	IMRE	Electronics/Photonics/Solid State Devices	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	
63	IMRE	Materials Sciences	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	
64	IMRE	Micro-Electro-Mechanical Systems technology, sensors and detectors	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	
65	IMRE	Nano Science and Technology	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	
66	IMRE	Semiconductor process technology and advance packaging	Liu Hong Fei			liuhf@imre.a-star.edu.sg	Non-graphene 2D materials  Semiconductor Materials	

67	IMRE	Materials Sciences	Liu Songlin			liusl@imre.a-star.edu.sg	Polymer composites and nanocomposites Polymeric membrane materials and technology for separation	
68	IMRE	Nano Science and Technology	Liu Songlin			liusl@imre.a-star.edu.sg	Polymer composites and nanocomposites Polymeric membrane materials and technology for separation	
69	IMRE	Functional materials (polymer; hybrid)	Liu Ye			ye-liu@imre.a-star.edu.sg	Preparation of functional polymers and polymers functionalized nanomaterials Self-assembly of polymers Polymers for biorelated applications and consumer cares	
70	IMRE	Materials Sciences	Liu Ye			ye-liu@imre.a-star.edu.sg	Preparation of functional polymers and polymers functionalized nanomaterials Self-assembly of polymers Polymers for biorelated applications and consumer cares	
71	IMRE	Nano Science and Technology	Liu Ye			ye-liu@imre.a-star.edu.sg	Preparation of functional polymers and polymers functionalized nanomaterials Self-assembly of polymers Polymers for biorelated applications and consumer cares	
72	IMRE	Materials Sciences	Liu Zhaolin		<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/203.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/203.aspx</a>	zl-liu@imre.a-star.edu.sg	Nano-materials for Energy Storage Systems; Nano-structure materials and composite for their applications in batteries	
73	IMRE	Chemical and Pharmaceutical Processing, reactor design, formulation processes	Loh Xian Jun	Asst Prof at FOE, NUS		lohxj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics	
74	IMRE	Functional materials (polymer; hybrid)	Loh Xian Jun	Asst Prof at FOE, NUS		lohxj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics	
75	IMRE	Materials Sciences	Loh Xian Jun	Asst Prof at FOE, NUS		lohxj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics	

76	IMRE	Miniaturized medical device and Biosensors	Loh Xian Jun	Asst Prof at FOE, NUS	lohj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics
77	IMRE	Nano Science and Technology	Loh Xian Jun	Asst Prof at FOE, NUS	lohj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics
78	IMRE	Organic Electronics/ Printed Electronics	Loh Xian Jun	Asst Prof at FOE, NUS	lohj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics
79	IMRE	Organometallic catalysis / polymerization catalysis/ photocatalysis	Loh Xian Jun	Asst Prof at FOE, NUS	lohj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics
80	IMRE	Pharmaceutical Science and Technology	Loh Xian Jun	Asst Prof at FOE, NUS	lohj@imre.a-star.edu.sg	Hybrid thermogelling block copolymers for biomedical applications Biocompatible and biodegradable organic-inorganic shape memory polymers Hybrid materials for targeted gene and drug delivery Poly[(R)-3-hydroxybutyrate] as a future biomaterial? Synthesis of "green" polymer-based hydrogel for biomedical application Tough natural hydrogels Wearable electronics
81	IMRE	Functional materials (polymer, hybrid)	Luo He-Kuan		luoh@imre.a-star.edu.sg	Functional materials from sustainable resources, such as biomass and CO <sub>2</sub> . Hybrid Metal-organic coordination materials
82	IMRE	Materials Sciences	Luo He-Kuan		luoh@imre.a-star.edu.sg	Functional materials from sustainable resources, such as biomass and CO <sub>2</sub> . Hybrid Metal-organic coordination materials

83	IMRE	Functional materials (polymer; hybrid)	M. S. M. Saifullah		saifullahm@imre.a-star.edu.sg	Nanoimprint lithography of oxides, sulphides, nitrides for fundamental studies and industrial applications; Nanoinjection molding of plastics; High density bit patterned media	
84	IMRE	Materials Sciences	M. S. M. Saifullah		saifullahm@imre.a-star.edu.sg	Nanoimprint lithography of oxides, sulphides, nitrides for fundamental studies and industrial applications; Nanoinjection molding of plastics; High density bit patterned media	
85	IMRE	Nano Science and Technology	M. S. M. Saifullah		saifullahm@imre.a-star.edu.sg	Nanoimprint lithography of oxides, sulphides, nitrides for fundamental studies and industrial applications; Nanoinjection molding of plastics; High density bit patterned media	
86	IMRE	Materials Sciences	Maria N. Antipina		antipinam@imre.a-star.edu.sg	Microencapsulation and controlled delivery of active compounds	
87	IMRE	Functional materials (polymer; hybrid)	Maxim Kiryukhin	Scientist III	kiryukhin-m@imre.a-star.edu.sg	Functional surfaces (films, shells) for controlled release of actives	
88	IMRE	Functional materials (polymer; hybrid)	Mohit Sharma		sharmam@imre.a-star.edu.sg	Development of hierarchical nano-composites materials, nano-structured interfaces/interphase characterization, Fiber reinforced composites for advanced structural applications Nano-mechanical analyses, nano-tribology, advanced AFM techniques.	
89	IMRE	Materials Sciences	Mohit Sharma		sharmam@imre.a-star.edu.sg	Development of hierarchical nano-composites materials, nano-structured interfaces/interphase characterization, Fiber reinforced composites for advanced structural applications Nano-mechanical analyses, nano-tribology, advanced AFM techniques.	
90	IMRE	Nano Science and Technology	Mohit Sharma		sharmam@imre.a-star.edu.sg	Development of hierarchical nano-composites materials, nano-structured interfaces/interphase characterization, Fiber reinforced composites for advanced structural applications Nano-mechanical analyses, nano-tribology, advanced AFM techniques.	
91	IMRE	Materials Sciences	Nikodem Tomczak	Adj A/Prof at FOS, NUS	tomczakn@imre.a-star.edu.sg	Macromolecular nanotechnology with single molecules Synthesis and applications of metal chelating polymers Polymer nanoparticles for bioimaging Hybrid biosynthetic Pickering emulsions Multimodal single molecule detection Radiative decay engineering of single light emitters by nanostructured metal/dielectric interfaces Amphiphilic polymers as coatings for nanoparticles	
92	IMRE	Nano Science and Technology	Pan Jisheng	Adj A/Prof at FOS, NUS	js-pan@imre.a-star.edu.sg	Growth and characterization of 2D materials Surface nanostructure growth and characterization	NUS
93	IMRE	Materials Sciences	Pan Jisheng	Adj A/Prof at FOS, NUS	js-pan@imre.a-star.edu.sg	Gas absorption on metal and semiconductor single crystals as well as on surfaces of catalyst studied by near ambient pressure X-ray photoelectron spectroscopy	NUS
94	IMRE	Chemical and Pharmaceutical Processing, reactor design, formulation processes	Pan Jisheng	Adj A/Prof at FOS, NUS	js-pan@imre.a-star.edu.sg	Gas absorption on metal and semiconductor single crystals as well as on surfaces of catalyst studied by near ambient pressure X-ray photoelectron spectroscopy	NUS
95	IMRE	Semiconductor process technology and advance packaging	Pan Jisheng	Adj A/Prof at FOS, NUS	js-pan@imre.a-star.edu.sg	Thin film growth and in-situ characterization for microelectronic device fabrication	NUS
96	IMRE	Electronics/Photonics/Solid State Devices	Pan Jisheng	Adj A/Prof at FOS, NUS	js-pan@imre.a-star.edu.sg	Thin film growth and in-situ characterization for microelectronic device fabrication	NUS
97	IMRE	Functional materials (polymer; hybrid)	Pramoda Kumari Pallathadka		pramoda-kp@imre.a-star.edu.sg	Development of novel multifunctional Polymer nanocomposites, and Polymer membrane materials & characterisation Multifunctional hybrid materials; Biodegradable polymers; recycled polymer nanocomposites; and Non-destructive testing (NDT)	

98	IMRE	Materials Sciences	Pramoda Kumari Pallathadka			pramoda-kp@imre.a-star.edu.sg	Development of novel multifunctional Polymer nanocomposites, and Polymer membrane materials & characterisation  Multifunctional hybrid materials; Biodegradable polymers; recycled polymer nanocomposites; and Non-destructive testing (NDT)	
99	IMRE	Nano Science and Technology	Pramoda Kumari Pallathadka			pramoda-kp@imre.a-star.edu.sg	Development of novel multifunctional Polymer nanocomposites, and Polymer membrane materials & characterisation  Multifunctional hybrid materials; Biodegradable polymers; recycled polymer nanocomposites; and Non-destructive testing (NDT)	
100	IMRE	Materials Sciences	Santiranjana Shannigrahi	Adj Ast/Prof	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/266.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/266.aspx</a>	santi-s@imre.a-star.edu.sg	Development and characterization smart nano ceramics with tunable opto-magnetic functionalities  Next generation magnetic nano ceramics for EMI shielding/absorption	
101	IMRE	Nano Science and Technology	Sean O'Shea			s-oshea@imre.a-star.edu.sg	Atomic Force Microscopy (AFM) in liquid environments.  Atomic Force Microscopy (AFM) studies of friction and lubrication.  Electronic properties of interfaces at the Nanoscale with AFM and STM.  Flow of water in single and multiple nanopores.	
102	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	SEH Zhi Wei	Adj Ast/Prof at MSE, NTU		sehzw@imre.a-star.edu.sg	Designing advanced materials for next-generation sodium- and magnesium-ion batteries  Designing efficient electrocatalysts for sustainable water splitting and carbon dioxide reduction	NTU
103		Materials Sciences	Sergey Gorelik	Scientist II	<a href="http://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/91.aspx">www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/91.aspx</a>	goreliks@imre.a-star.edu.sg	Photochemistry/photophysics	
104	IMRE	Materials Sciences	Song Jing			songj@imre.a-star.edu.sg	Biomimetic and bioinspired material design and application  Polymer surface modification and functionalization	
105	IMRE	Functional materials (polymer; hybrid)	Sreenivasa Reddy Puniredd			puniredds@imre.a-star.edu.sg	Surface chemistry of oxide and non oxide based silicon nanowires for biosensors applications  Surface and interface studies of 2D silicon for molecular electronics applications  Material processing and synthesis in supercritical carbon dioxide: An alternative route to the conventional solution processing  Doping of semiconductors in supercritical carbon dioxide	
106	IMRE	Materials Sciences	Sreenivasa Reddy Puniredd			puniredds@imre.a-star.edu.sg	Surface chemistry of oxide and non oxide based silicon nanowires for biosensors applications  Surface and interface studies of 2D silicon for molecular electronics applications  Material processing and synthesis in supercritical carbon dioxide: An alternative route to the conventional solution processing  Doping of semiconductors in supercritical carbon dioxide	
107	IMRE	Nano Science and Technology	Sreenivasa Reddy Puniredd			puniredds@imre.a-star.edu.sg	Surface chemistry of oxide and non oxide based silicon nanowires for biosensors applications  Surface and interface studies of 2D silicon for molecular electronics applications  Material processing and synthesis in supercritical carbon dioxide: An alternative route to the conventional solution processing  Doping of semiconductors in supercritical carbon dioxide	
108	IMRE	Semiconductor process technology and advance packaging	Sreenivasa Reddy Puniredd			puniredds@imre.a-star.edu.sg	Surface chemistry of oxide and non oxide based silicon nanowires for biosensors applications  Surface and interface studies of 2D silicon for molecular electronics applications  Material processing and synthesis in supercritical carbon dioxide: An alternative route to the conventional solution processing  Doping of semiconductors in supercritical carbon dioxide	

109	IMRE	Miniaturized medical device and Biosensors	Su Xiaodi	Adj Assoc. Prof at FOS, Chemistry Department, NUS		xd-su@imre.a-star.edu.sg	Nanobiosensors for non invasive diagnosis	NUS
110	IMRE	Materials Sciences	Su Xiaodi	Adj Assoc. Prof at FOS, Chemistry Department, NUS		xd-su@imre.a-star.edu.sg	Nanomaterials and their applications	NUS
111	IMRE	Nano Science and Technology	Su Xiaodi	Adj Assoc. Prof at FOS, Chemistry Department, NUS		xd-su@imre.a-star.edu.sg	Nanomaterials-based biosensors for medical diagnosis, food safety, and environmental monitoring	NUS
112	IMRE	Electronics/Photonics /Solid State Devices	Sudhiranjan Tripathy			tripathy-sudhiranjan@imre.a-star.edu.sg	Optical spectroscopy of novel low-dimensional semiconductors III-Nitrides-based Power/RF electronics on Silicon Nanophotonics-based ultraviolet emitters/detectors	
113	IMRE	Electronics/Photonics /Solid State Devices	Sudhiranjan Tripathy			tripathy-sudhiranjan@imre.a-star.edu.sg	Optical spectroscopy of novel low-dimensional semiconductors III-Nitrides-based Power/RF electronics on Silicon Nanophotonics-based ultraviolet emitters/detectors	
114	IMRE	Organic Electronics/ Printed Electronics	Tam Teck Lip Dexter			dexter-tam@imre.a-star.edu.sg	Unconventional Molecular/Polymeric Structures for Organic Electronics	
115	IMRE	Electronics/Photonics /Solid State Devices	Teng Jinghua	Adj A/Prof at SPMS, NTU		jh-teng@imre.a-star.edu.sg	2D materials for optoelectronics Metamaterials and metasurfaces Nanophotonics	NTU
116	IMRE	Materials Sciences	Teng Jinghua	Adj A/Prof at SPMS, NTU		jh-teng@imre.a-star.edu.sg	2D materials for optoelectronics Metamaterials and metasurfaces Nanophotonics	NTU
117	IMRE	Nano Science and Technology	Teng Jinghua	Adj A/Prof at SPMS, NTU		jh-teng@imre.a-star.edu.sg	2D materials for optoelectronics Metamaterials and metasurfaces Nanophotonics	NTU
118	IMRE	Nano Science and Technology	Teng Jinghua	Adj A/Prof at SPMS, NTU		jh-teng@imre.a-star.edu.sg	Metamaterials and metasurfaces 2D materials for optoelectronics Nanophotonics	NTU
119	IMRE	Electronics/Photonics /Solid State Devices	Teo Ee Jin			teoej@imre.a-star.edu.sg	High speed, tunable plasmonic light emitters.	
120	IMRE	Nano Science and Technology	Teo Ee Jin			teoej@imre.a-star.edu.sg	White LEDs based on plasmonics and QDs. Development of microcavity for QD lasing.	
121	IMRE	Electronics/Photonics /Solid State Devices	Vignesh Suresh			sureshv@imre.a-star.edu.sg	High throughout nanopatterning of functional materials 3D nanoplasmonic assemblies	
122	IMRE	Functional materials (polymer; hybrid)	Vignesh Suresh			sureshv@imre.a-star.edu.sg	High throughout nanopatterning of functional materials 3D nanoplasmonic assemblies	
123	IMRE	Materials Sciences	Vignesh Suresh			sureshv@imre.a-star.edu.sg	High throughout nanopatterning of functional materials 3D nanoplasmonic assemblies	
124	IMRE	Miniaturized medical device and Biosensors	Vignesh Suresh			sureshv@imre.a-star.edu.sg	High throughout nanopatterning of functional materials 3D nanoplasmonic assemblies	
125	IMRE	Nano Science and Technology	Vignesh Suresh			sureshv@imre.a-star.edu.sg	High throughout nanopatterning of functional materials 3D nanoplasmonic assemblies	
126	IMRE	Functional materials (polymer; hybrid)	Wang FuKe	Adjunct Ass. Prof. at FOS, NUS		wangf@imre.a-star.edu.sg	Nanocrystallinity control for high performance organic thermoelectric materials	
127	IMRE	Materials Sciences	Wang FuKe	Adj Ast/Prof at FOS, NUS		wangf@imre.a-star.edu.sg	New polymer and polymer nanocomposites for 3D printing	
128	IMRE	Nano Science and Technology	Wang FuKe	Adj Ast/Prof at FOS, NUS		wangf@imre.a-star.edu.sg	Nanocrystallinity control for high performance organic thermoelectric materials Metal and semiconducting nanocrystal self-assembly for optical and sensing applications	
129		Materials Sciences	Wang Pei	Scientist I	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/346.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/346.aspx</a>	wangp@imre.a-star.edu.sg	Material development for metal additive manufacturing using selective laser melting / materials sciences	
130	IMRE	Materials Sciences	Wang Shi Jie	Adj A/Prof at FOS, NUS and NUS Graduate School for Integrative Sciences & Engineering, NUS		sj-wang@imre.a-star.edu.sg	Ceramic composites	NUS
131	IMRE	Nano Science and Technology	Wang Shi Jie	Adj A/Prof at NUS Graduate School for Integrative Sciences & Engineering, NUS		sj-wang@imre.a-star.edu.sg	1. Low-dimensional materials growth and device fabrication 2. Functional oxide film growth and devices	NUS
132	IMRE	Materials Sciences	Wang Xiaobai			wangxb@imre.a-star.edu.sg	Liquid crystal synthesis and application, especially on LC on surface alignment, and interaction between LC and nanoparticles.	
133	IMRE	Semiconductor process technology and advance packaging	Wang Xizu			wangxz@imre.a-star.edu.sg	thermal electronics, sensor and flexible device. New organic/nano material application in new electronics device; thermal electronics, Organic solar cells, OPV, LED, Printable electronics thin film for nano functional and flexible device. Surface and interface studies of organic, inorganic/metal for flexible electronics device.	



134	IMRE	Nano Science and Technology	WANG Yusong			wangyus@imre.a-star.edu.sg	Surface and Interface Control of Nanomaterials for Biomedical Applications Nanoplasmonics and Optical Enhancement (e.g. SERS and MEF)	
135	IMRE	Alternative Energy/Material Sciences/Nano-Science and Technology	Wesley ZHENG Guangyuan	Prof at FOE, NUS		wesley-zheng@imre.a-star.edu.sg	Solid state batteries, Batteries diagnostic using machine learning and AI	
136	IMRE	Materials Sciences	William Birch			w-birch@imre.a-star.edu.sg	TBD	
137	IMRE	Electronics/Photonics/Solid State Devices	Wong Swee Liang			wongsl@imre.a-star.edu.sg	Growth and applications of two-dimensional materials Functionalization of low dimensional systems for nanotechnology applications Solid state quantum computing using novel materials.	NUS
138	IMRE	Materials Sciences	Wong Swee Liang			wongsl@imre.a-star.edu.sg	Growth and applications of two-dimensional materials Functionalization of low dimensional systems for nanotechnology applications	NUS
139	IMRE	Functional materials (polymer, hybrid)	Xu Jianwei	Adj Ast/Prof at FOS, NUS		jw-xu@imre.a-star.edu.sg	Functional polymer materials Functional hybrid materials Multi-functional coating materials	NUS
140	IMRE	Organic Electronics/Printed Electronics	Xu Jianwei	Adj Ast/Prof at FOS, NUS		jw-xu@imre.a-star.edu.sg	Organic electrochromic materials and related devices	NUS
141	IMRE	Materials Sciences	Yang Ming			yangm@imre.a-star.edu.sg	First-principles calculations prediction and experimental characterization of 2D oxide Doping strategy for transition metal dichalcogenide based 2D materials	
142	IMRE	Materials Sciences	Yao Kui	Adjunct Professor, NTU	<a href="http://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/385.aspx">http://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/385.aspx</a>	k-yao@imre.a-star.edu.sg	Nano-structured ferroics and device functional mechanisms Energy harvesting by functional materials with structure tailored at nanometer scales Smart materials for advanced sensors, actuators and transducers Ultrasonic/acoustic sensors & transducers; Batteries and wireless sensors	NTU
143	IMRE	Functional materials (polymer, hybrid)	ZHANG Kangyi			zhangky@imre.a-star.edu.sg	Development of Nanodiamond-Embedded Hydrogels Nanodiamond-Thermogels for Personal Care and Healthcare Applications	
144	IMRE	Materials Sciences	ZHANG Kangyi			zhangky@imre.a-star.edu.sg	Development of Nanodiamond-Embedded Hydrogels Nanodiamond-Thermogels for Personal Care and Healthcare Applications	
145	IMRE	Nano Science and Technology	ZHANG Kangyi			zhangky@imre.a-star.edu.sg	Development of Nanodiamond-Embedded Hydrogels Nanodiamond-Thermogels for Personal Care and Healthcare Applications	
146	IMRE	Computational Fluid Dynamics or Computational Mechanics	Zhang Lei	Scientist II		zhangl@imre.a-star.edu.sg	Acoustic-based nondestructive testing methods; Piezoelectric ultrasonic transducers for nondestructive testing and structural health monitoring	
147	IMRE	Materials Sciences	Zhang Lei	Scientist II		zhangl@imre.a-star.edu.sg	Electroactive smart materials	
148	IMRE	Micro-Electro-Mechanical Systems technology, sensors and detectors	Zhang Lei	Scientist II		zhangl@imre.a-star.edu.sg	Piezoelectric sensors and transducers	
149	IMRE	Nano Science and Technology	Zheng Xinting	Scientist I		zhengxt@imre.a-star.edu.sg	Rational design of biofunctionalized or biointegrated nanomaterials (carbon dots, graphene oxide, etc.) for bioimaging, targeted drug delivery and theranostics	
150	IMRE	Nano Science and Technology, Energy Conversion and Storage	Zong Yun	Senior Scientist II	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/417">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/417</a>	y-zong@imre.a-star.edu.sg	Electrochemically active nanostructured materials for: 1. Electrocatalysis of oxygen reduction reaction (ORR), oxygen evolution reaction (OER), and hydrogen evolution reaction (HER); 2. Post lithium-ion batteries (e.g. Zn-air & Li-S)	
151	IMRE	Electronics/Photonics/Solid State Devices	Wang Qian	Scientist II	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492.aspx</a> <a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492.aspx</a>	wangqian@imre.a-star.edu.sg	1. Reconfigurable metasurface / Photonics 2. Quantitative phase imaging for wafer defect inspection/ Optics	
152	IMRE	Materials Science / Electronics / Nanoscience and Technology / Solid State Devices	Anjan Soumyanarayanan	Scientist II & Programme Head at IMRE; Asst Professor at NUS Physics & ECE	<a href="https://www.a-star.edu.sg/imre/speed">https://www.a-star.edu.sg/imre/speed</a>	anjan@imre.a-star.edu.sg	Spintronic materials and devices, topological materials and devices, scanning probe microscopy and spectroscopy, magnonic devices	NUS Physics, NUS ECE
153	IMRE	Interactive & Digital Media	Xu Xuewu	Scientist III		Xu Xuewu@imre.a-star.edu.sg	Full-color 3D holographic display based on computer-generated holography	
154	IMRE	Materials Sciences	Xu Xuewu	Scientist III		Xu Xuewu@imre.a-star.edu.sg	Tunable metasurfaces and spatial light modulators for information display applications	

155	IMRE	Material Sciences/Nano-Science and Technology	Carlos Manzano	Scientist II		garciac@imre.a-star.edu.sg	Scanning Tunneling Microscopy investigations of molecular/chalcogenide heterostructures. Fabrication and characterization of 2D resistive switching devices	
156	IMRE	Electronics/Photonics/Solid State Devices	James Lourebam	Scientist I	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/738">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/738</a>	james_lourebambam@imre.a-star.edu.sg	1. Magnetization switching with spin transfer torque/ spin-orbit torque/ electric field 2. Magnetization dynamics 3. Magnetic tunnel junctions	
157	IMRE	Materials Sciences	Michel Bosman	Assoc. Prof at MSE, NUS	<a href="http://www.mse.nus.edu.sg/staff/mb.php">http://www.mse.nus.edu.sg/staff/mb.php</a>	bosmanm@imre.a-star.edu.sg	Atom-by-atom imaging and spectroscopy of 2D materials using aberration-corrected STEM	
158	IMRE	Electronics/Photonics/Solid State Devices	Michel Bosman	Assoc. Prof at MSE, NUS	<a href="http://www.mse.nus.edu.sg/staff/mb.php">http://www.mse.nus.edu.sg/staff/mb.php</a>	bosmanm@imre.a-star.edu.sg	Plasmonic circuits	
159	IMRE	Electronics/Photonics/Solid State Devices	Michel Bosman	Assoc. Prof at MSE, NUS	<a href="http://www.mse.nus.edu.sg/staff/mb.php">http://www.mse.nus.edu.sg/staff/mb.php</a>	bosmanm@imre.a-star.edu.sg	Nanoscale electrical probing of thin films and plasmon resonators inside the TEM	
160	IMRE	Materials Sciences	Huajun Liu	Scientist I	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/194">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/194</a>	liuhj@imre.a-star.edu.sg	Complex oxide electronics, machine learning for materials design, piezoelectric and ferroelectric thin films, resistive switching, perovskite electronics.	
161	IMRE	Electronics/Solid State Devices/Materials Sciences/Alternate Energy	Tong Shi Wun	Scientist II		tongsw@imre.a-star.edu.sg	Growth of two-dimensional semiconducting materials for thermoelectric/optoelectronic applications	
162	IMRE	Electronics/Photonics/Nano Science and Technology	Dong Zhaogang	Scientist III	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/68">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/68</a>	dongz@imre.a-star.edu.sg	Sub-10-nm nano-plasmonics; Nanoscale light emitting devices; Dielectric nanoantennas; Tunable metasurfaces	
163	IMRE	Electronics/Photonics/Micro-Electro-Mechanical Systems technology, sensors and detectors	Ding Lu	Scientist II		dingl@imre.a-star.edu.sg	Optomechanical microcavity for ultrasensitive sensing and detection	
164	IMRE	Materials Sciences	Warintorn Thitsartarn	Scientist II / Deputy Head	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/329">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/329</a>	thitsartarnw@imre.a-star.edu.sg	1. Advanced polymer composite 2. Nanostructured hybrid polymer materials and their application	
165	IMRE	Functional materials (polymer; hybrid)	Teo Peili	Scientist III, adjunct lecturer at NUS School of Integrative Science and Engineering (NGS)		Teo_peili@imre.a-star.edu.sg	1. Advanced dressings for chronic wound management 2. Bio-inspired polymers for skin scaffolds 3. Bio-inspired polymers for bone scaffolds	NUS
166	IMRE	Nano Science and Technology	YU YONG	Scientist I		yuy@imre.a-star.edu.sg	Rational design of atomically precise metal nanoclusters for biological related applications	
167	IMRE	Nano Science and Technology/Electronics & Photonics	Wang Qian	Scientist II	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492.aspx">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492.aspx</a>	wangqian@imre.a-star.edu.sg	Active, Tunable, and reconfigurable meta-devices and meta-system; Optical interferometer system for non-destructive defect inspection; Metamaterials for beam steering, focusing and imaging	
168	IMRE	Nano Science and Technology	Ramon Jose Paniagua Dominguez	Scientist II	<a href="https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-ACN/Nanophotonics">https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-ACN/Nanophotonics</a>	Ramon_Paniagua@imre.a-star.edu.sg	Reconfigurable metasurface; nanophotonics; Flat optics; Dielectric nanoantennas	
169	IMRE	Nano Science and Technology	Arseniy Kuznetsov	Senior Scientist II	<a href="https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-ACN/Nanophotonics">https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-ACN/Nanophotonics</a>	Arseniy_Kuznetsov@imre.a-star.edu.sg	Nanophotonics; Flat optics; Dielectric nanoantennas; Reconfigurable metasurface;	
170	IMRE	Nano Science and Quantum Technology	Victor Leong	Scientist I	<a href="https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-Sensors">https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-Sensors</a>	Victor_Leong@imre.a-star.edu.sg	Quantum optics Optical interfaces with nanomaterials Nanophotonics	
171	IMRE	Nano Science and Quantum Technology	Leonid Krivitskiy	Senior Scientist I	<a href="https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-ACN/Quantum-Sensors">https://www.a-star.edu.sg/imre/Research/Departments/Advanced Concepts-Nanotechnology-ACN/Quantum-Sensors</a>	Leonid_Krivitskiy@imre.a-star.edu.sg	Nonlinear and quantum optics Optical interfaces with nanomaterials Nanophotonics	
172	IMRE	Electronics/Photonics	Liang Xinan	Scientist III	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/706">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/706</a>	Liang_Xinan@imre.a-star.edu.sg	1. Nondestructive testing technologies - digital shearography and pulsed phase thermography; 2. Dielectric Metasurface for holographic optical element and submicron spatial light modulator	
173	IMRE	Nano Science and Technology/Electronics & Photonics	Wang Qian	Scientist II	<a href="https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492">https://www.a-star.edu.sg/imre/Talent/ct/StaffDetails/mid/16645/tid/492</a>	wangqian@imre.a-star.edu.sg	(1) Active, Tunable, and reconfigurable nanophotonics meta-devices and meta-systems for full control of light in term of phase, amplitude and polarization; (2) Optical interferometer system for non-destructive defect inspection; (3) Novel design of metasurface for on-chip optical super-resolution imaging; (4) Integrated nanophotonics device and system for sensing, optical communication, imaging, etc.	NTU