FY 2025 Annual Report

Unit Name

Light-Matter Interactions for Quantum Technologies Unit

Professor Sile Nic Chormaic

Collaborations

K Sasaki, Hokkaido University, Japan, Transverse spin vortices and skyrmions

R Gordon, C Ying, Victoria University, Nottingham Trent University, Canada, UK, Particle trapping using plasmonic structures

Y Yang, Wuhan University, China, Optomechanical interactions in Coupled Resonators

C Luscombe, A Narita, OIST, OIST, Japan, Japan, Nanoparticle synthesis for physics applications

T Busch, L Ruks, OIST, NTT, Japan, Japan, Multiphoton processes near optical nanofibres for atomic systems

S Hanna, University of Bristol, UK, Multiparticle trapping near optical nanofibres

J Harris, Yale University, USA, Hollow WGM cavities for cryogenic applications

F Hoffet, H de Riedmatten, ICFO, ICFO, Spain, Spain, Collective vacuum Rabi-splitting with atoms in a cavity

M Hentschel, R Madugani, Chemnitz University, RIKEN/Waseda, Germany, Japan, Asymmetric microresonators and mode dynamics

I Toftul, ANU, Australia, Transverse spin effects

X Han, Dalian University of Technology, China, Sensing, Imaging, and Raman Spectroscopic Investigation with Plasmonic Nanocavitysmonic Nanocavity

J Robert, E Brion, D Kornovan, D Brown, R Lowe, ENS Paris Saclay, University of Toulouse, Aarhus University, Imperial College London, University of Stuttgart, France, Fance, Denmark, UK, Germany, Rydberg atom excitation using optical nanofibres

D Budker, S Li, University of Mainz, Zhejiang University, Germany, China, Quantum sensing using NV Diamond

YU Lee, S Li, Chungbuk National University, Zhejiang University, South Korea, China, Nano-imaging techniques and particle trapping on metasurfaces

K Tian, S Li, Harbin Engineering University, Zhejiang University, China, China, Imaging of WGM resonators and chaos in resonators

D Kotsifaki, F Cichos, P Laurino, M Dindo, Duke Kunshan University, University Leipzig, OIST, Piazza University, China, Germany, Japan, Italy, Bio-Sensing and Optical Trapping and Manipulation with Plasmonics Tweezers

A K Srivastava, IIT Bombay, India, 2D materials integrated with WGM cavities

T Carmon, Technion, now Tel-Aviv University, Israel, Plasma in microbubble cavities

M Ueda, J Anders, M Michison, L Hackermueller (and others) , Japan and UK, ng in noisy environments via optimised control (ASPIRE) UK-Japan

T Busch, T Aoki, V Vuletic, A Rauschebeutel, J Laurat, E Brion, S Hofferberth, C Hung, OIST, Waseda, MIT, Humboldt University, Laboratoire Kastler Brossel, Sorbonne University, Toulouse, Bonn University, Purdue University, Japan, Japan, USA, Germany, France, France, Germany, USA, Neutral atoms and optical nanofibres (ASPIRE)

Research Personnel

Viet Giang Truong, Senior Staff Scientist

Ramgopal Madugani, Staff Scientist, Junior Researcher(Assistant Professor), Waseda University

Wenfang Li, Staff Scientist

Christophe Pin, Staff Scientist

Krisnha Jadeja, Postdoctoral Scholar

Souvik Sil, Postdoctoral Scholar

Rohit Kumar, Postdoctoral Scholar

Lekshmi Eswaramoorthy, Postdoctoral Scholar

Krisnha Jadeja, Postdoctoral Scholar

Yukihiro Endo, Visiting Researcher

Hannah Riley, Research Fellow

Fathy Hassan, Postdoctoral Scholar

Metin Ozer, Research Unit Technician

Kristoffer Karlsson, Research Unit Technician

Alexey Vylegzhanin, PhD Student

Mohammed Zia Jalaludeen, PhD Student

Aswathy Raj, PhD Student

Zohreh Shahrabifarahani, PhD Student

Pramitha Praveen Kamath, PhD Student

Amal Jose, PhD Student

Samuel Begumya, PhD Student

Sergei Abdrakhmanov, PhD Student

Hania Altabbaa, PhD Student

Anna Kortel, PhD Student

German Suslin, PhD Student

Tom Simon Rodemund, Visiting Research Student

Michelangelo Dondi, Research Intern

Pit Steinmetz, Research Intern

Bara Niang, Research Intern

Anton Konovalov, Research Intern

Stephy Hilary Pone Tchom, Research Intern

Kateryna Rachek, Research Intern

Nino Kitoshvili, Research Intern

Yueqian Zhang, Visiting Research Student

Jiaxuan Wang, Visiting Research Student

Scholarly Contributions and Creative Productions (by Faculty)

Conference Proceedings

1. Shi, L.; Truong, V. G.; Sun, C.; Nic Chormaic, S.; Han, X.

Structural and Dielectric Modification of Aluminum Nanohole Arrays for Surface Plasmon Resonance. In Proceedings Volume 13960, AOPC 2025: Optical Design, Testing, and Manufacturing; 2025; p 139600I.

2. Zheng, K.; Truong, V. G.; Pin, C.; Nic Chormaic, S.; Sun, C.; Han, X.

   Research of the Enhancement Factor of Resonance Raman Scattering in Cytochrome c. In Proceedings Volume 13959, AOPC 2025: Optical Spectroscopy and Imaging; and Atmospheric and Environmental Optics; 2025; p 139590O.

3. Praveen Kamath, P.; Sil, S.; Truong, V. G.; Nic Chormaic, S.

   Exploring Optical Binding and Transverse Spin of Microparticles Trapped near Optical Nanofibers. In Proceedings Volume 13580, Optical Trapping and Optical Micromanipulation XXII; 2025; p 1358005.

4. Sil, S.; Paul, S. F.; Farziev, T.; Praveen Kamath, P.; Truong, V. G.; Nic Chormaic, S.

   Analyzing the Dynamics of Complex Particles in a Hybrid Trapping System. In Proceedings Volume 13703, Optical Manipulation and Structured Materials Conference 2025; 2025; p 1370305.

5. Altabbaa, H.; Truong, V. G.; Nic Chormaic, S.

   Vortex Beam Generation Using Metamaterials for Chiral Particle Trapping and Manipulation. In Proceedings Volume 13703, Optical Manipulation and Structured Materials Conference 2025; 2025; p 137030K.

6. Praveen Kamath, P.; Sil, S.; Truong, V. G.; Nic Chormaic, S.

   Towards Optically Driven Dynamics of Metallo-Dielectric Janus Particles Using a Nanofiber. In Proceedings Volume 13703, Optical Manipulation and Structured Materials Conference 2025; 2025; p 137030I.

7. Nic Chormaic, S.

   Optical Nanofibers: A Powerful Tool for Manipulating and Trapping Cold Atoms and Microparticles. In Proceedings Volume 13703, Optical Manipulation and Structured Materials Conference 2025; 2025; p 1370308.

8. Jalaludeen, M. Z.; Begumya, S.; Li, S.; Nic Chormaic, S.

   Integrating NV-Center Diamonds with Hollow Whispering Gallery Resonators for Quantum Sensing. In Proceedings Volume 13392, Quantum Sensing, Imaging, and Precision Metrology III; 2025; p 133920H.

9. Nic Chormaic, S.; Truong, V. G.

   Metamaterial Tweezers for Trapping and Distinguishing Nanoparticles. In Proceedings Volume 13380, Optical Sensing and Precision Metrology; 2025; p 133800F.

Journal Article

1. Vylegzhanin, A.; Brown, D. J.; Abdrakhmanov, S.; Nic Chormaic, S.

   Light-Induced, Fictitious Magnetic Trapping of Cold Alkali-Metal Atoms Using an Optical Tweezer-Nanofiber Hybrid Platform. Phys. Rev. A 2026, 113, 023111.

2. Hoffet, F.; Vylegzhanin, A.; Distante, E.; Heller, L.; Nic Chormaic, S.; de Riedmatten, H.

   Collective Vacuum-Rabi Splitting with an Atomic Spin Wave Coupled to a Cavity Mode. Quantum Sci. Technol. 2026, 11, 015041.

3. Pin, C.; Nic Chormaic, S.; Sasaki, K.

   Transverse Spin Vortices and Skyrmions in the Electric near-Field of Plasmonic Nanogaps. Nano Lett. 2026.

4. Bouloumis, T. D.; Zhao, H.; Kokkinidis, N.; Hu, Y.; Truong, V. G.; Narita, A.; Nic Chormaic, S.

   Disruptive Forces in Metamaterial Tweezers for Trapping Nanoparticles Containing Molecular Graphene Quantum Dots. Adv. Opt. Mat. 2025, 13, e01916.

5. Rodemund, T.; Li, S.; Nic Chormaic, S.; Hentschel, M.

   Exceptional-Point-Controlled Mode Interaction in Three-Dimensional Microcavities Represented by Generalized Husimi Functions. Phys. Rev A 2025, 112, 033528.

6. George, S.; Zhao, T.; Letwin, K.; Truong, V. G.; Helmi, N.; Nic Chormaic, S.; Ying, C.; Gordon, R.

   Probing Protein Surface Interactions in Nanoaperture Optical Tweezers. Nanotech. 2025, 36, 475501.

https://doi.org/10.1088/1361-6528/ae1c48

7. Jiménez-Jaimes, J.; Nic Chormaic, S.; Brion, E.
   Controlling Radiative Properties of Circular Atomic Arrays through Nanofiber Guided Modes. Phys. Rev. A 2025, 112, 053702.
8. Bouloumis, T. D.; Zhao, H.; Kokkinidis, N.; Hu, Y.; Truong, V. G.; Narita, A.; Nic Chormaic, S.
   Disruptive Forces in Metamaterial Tweezers for Trapping Nanoparticles Containing Molecular Graphene Quantum Dots. Advanced Optical Materials 2025, 13.
9. Vylegzhanin, A.; Brown, D.; Kornovan, D. F.; Brion, E.; Nic Chormaic, S. G.
   Towards a Fictitious Magnetic Field Trap for Both Ground and Rydberg State ^{87}Rb Atoms via the Evanescent Field of an Optical Nanofiber. New J. Phys. 2025, 27, 073203.
10. Tian, K.; Jalaludeen, M. Z.; Lee, Y. U.; Li, S.; Nic Chormaic, S.
    X-Ray Microcomputed Tomography of 3D Chaotic Microcavities. Advanced Photonics Nexus 2025, 4, 066006.
    https://doi.org/10.1117/1.APN.4.6.066006

Patent and Intellectual Property

1. Carmon, T.; Gad, R.; Nic Chormaic, S.
   Laser Based on a Dielectric Resonator with Gas or Plasma at Population Inversion, 2025.

Presentation at Conference

1. Nic Chormaic, S.
   Using Metamaterial Tweezers for Trapping Nanoparticles. *NANOP 2025 2025.*
2. Kortel, A.; Raj, A.; Vylegzhanin, A.; Jadeja, K.; Nic Chormaic, S.
   Using Optical Nanofibres as a Link for Rydberg Atom-Based Quantum Networks
   . *Laser Physics 2025 2025.*
3. Kotsifaki, D.; Nic Chormaic, S.
   Manipulation of Small Particles in Water Using near Field Optics. *SPIE Optics and Photonics 2025.*
4. Praveen Kamath, P.; Sil, S.; Truong, V. G.; Nic Chormaic, S.
   Exploring Optical Binding and Transverse Spin of Microparticles Trapped near Optical Nanofibers. *SPIE Optics and Photonics 2025.*
5. Nic Chormaic, S.
   Exploring Rydberg Atom Interactions near Optical Nanofibres. *ECAMP15 2025.*
6. Nic Chormaic, S.
   Towards a 1D Array of Cold Rydberg Atoms near the Surface of an Optical Nanofibre. *CEWQO29 2025.*
7. Nic Chormaic, S.
   Power Hour Discussion Leader. *GRC on Label-Free Single Molecule Sensing 2025.*
8. Nic Chormaic, S.; Viet Giang, G.
   Metamaterial Tweezers for Trapping and Distinguishing Nanoparticles. *SPIE Photonics West 2025.*
9. Nic Chormaic, S.; Jalaludeen, M. Z.; Begumya, S.; Li, S.
   Integrating NV-Center Diamonds with Hollow Whispering Gallery Resonators for Quantum Sensing. *SPIE Photonics West 2025.*
10. Nic Chormaic, S.
    Optical Nanofibres - a Powerful Tool for Manipulating and Trapping Cold Atoms and Microparticles. OMC 2025 2025.
11. Nic Chormaic, S.
    Optical Nanofibres - a Powerful Tool for Manipulating and Trapping Cold Atoms and Microparticles. *OMC 2025 2025.*

Scholarly Contributions (by Unit Members)

Name of Unit Member	Type	Title	Outlet	Publisher	Year Pub
Christophe Pin, (K Sasaki)	Conference Proceedings	Analytical study of electric field spin skyrmions in the evanescent field of a plasmonic nanogap antenna	Proceedings Volume 13703, Optical Manipulation and Structured Materials Conference 2025, 137030O	SPIE Optics and Photonics International Congress 2025	2025
Wenfang Li, (M Lam, J Du)	Journal Article	Strong microwave-induced cross-Kerr effect with Rydberg atoms at telecommunication wavelength	Phys. Rev. Applied 23, 054011	Physical Review Applied	2025
(R OR Oyama, K Kawaguchi, L Moshniaha, YSLV Narayana, D Madea, K Mitrofanov, H Suchiang,) Amal Jose (and R Kabe)	Journal Article	Investigating charge accumulation mechanisms in organic materials via slow transient emission spectroscopy	Sci. Adv. 11, eadx9806	Science Advances	2025
Samuel Begumya	Poster Presentation at Conference	Quantum sensing with NV centres in nanodiamonds coupled to optical nanofibres and microresonators	ONNA 2025	Bad Honnef, Germany	2025
Anna Kortel	Poster Presentation at Conference	Interaction of charged ONF with Rydberg atoms	ONNA 2025	Bad Honnef, Germany	2025
Pramitha Praveen Kamath	Poster Presentation at Conference	Microparticle manipulation in the evanescent field of an optical nanofiber	ONNA 2025	Bad Honnef, Germany	2025
Sergei Abdrakhmanov	Poster Presentation at Conference	Trapping Schemes for Cold Ground and Rydberg State Rubidium Atoms near an Optical Nanofiber	CAPS and CQA Winter School on Ultracold Quantum Many-body Systems	Benasque, Spain	2025
Ramgopal Madugani	Poster Presentation at Conference	Whispering Gallery Mode Optimisation by Precision Microbubble Cavity Fabrication	ONNA 2025	Bad Honnef, Germany	2025
Krishna Jadeja	Poster Presentation at Conference	Rydberg interactions with an optical nanofibre	ONNA 2025	Bad Honnef, Germany	2025
Christophe Pin	Poster Presentation at Conference	Analytical study of electric field spin skyrmions in the evanescent field of a plasmonic nanogap antenna	OMC 2025	Yokohama, Japan	2025
Viet Giang Truong	Poster Presentation at Conference	Metamaterial plasmonic tweezers for trapping biomolecules and beyond	SPP11	Tokyo, Japan	2025
Anna Kortel	Poster Presentation at Conference	Photoionization of Rydberg atoms due to the presence	CATMIN-IV	Granada, Spain	2025

Name of Unit Member	Type	Title	Outlet	Publisher	Year Pub
		of high-intense trapping beams			
Pramitha Praveen Kamath	Poster Presentation at Conference	Optical binding in the evanescent field of an optical nanofiber	Frontiers in Optics+Laser Science (FiO, LS)	Denver, USA	2025
Zohreh Shahrabifarahani	Poster Presentation at Conference	Two-correlated photon generation using optical nanofiber-trapped cold atoms A pathway to "heralded single-photon sources"	ONNA 2025	Bad Honnef, Germany	2025
Ramgopal Madugani	Presentation at Conference	Spatial confinement of whispering gallery modes in precision-engineered microbubble cavities	ICNNQ 2025	Yokohama, Japan	2025
Pramitha Praveen Kamath	Presentation at Conference	Multi-particle optical binding in the evanescent field of a nanofibre	OMC 2025	Yokohama, Japan	2025
Souvik Sil	Presentation at Conference	Analyzing the dynamics of complex particles in a hybrid trapping system	OMC 2025	Yokohama, Japan	2025
Aswathy Raj	Presentation at Conference	Rydberg atom interactions at the interface of an optical nanofiber	ONNA 2025	Bad Honnef, Germany	2025
Viet Giang Truong	Presentation at Conference	Trapping And Characterization Of Single Unmodified Proteins At Molecular Levels With Metamaterial Plasmonic Tweezers	Nanolight 2026	Benasque, Spain	2026
Christophe Pin	Presentation at Conference	Transverse spin from the transport of field singularities	The 73rd JSAP Spring Meeting 2026	Tokyo, Japan	2026
Theodoros Bouloumis	Presentation at Conference	Trapping biocompatible nanographene-based quantum emitters in a landscape of optical and thermal forces	Optical Manipulation & Applications, Optical Biophotonics Congress	San Diego, USA	2025
Zohreh Shahrabifarahani	Presentation at Conference	Towards enhanced directional coupling in an optical nanofibre-cold atom system	PIERS2025	Chiba, Japan	2025
Hania Altabbaa	Presentation at Conference	Yokohama, Japan	OMC 2025	Yokohama, Japan	2025
Christophe Pin	Presentation at Conference	Nanoscale shaping of the electric field spin density using localized surface plasmons	WMPQT2025	Asahikawa, Japan	2025
Christophe Pin	Presentation at Conference	Nanostructured electric field momentum and spin densities in the near-field	The 86th JSAP Autumn Meeting 2025	Japan	2025

Name of Unit Member	Type	Title	Outlet	Publisher	Year Pub
		of plasmonic multimer nanoantennas			
Ramgopal Madugani	Seminars	Microcavities, precision fabrication and applications	Yagami Campus, Keio University	Japan	2025
Krishna Jadeja	Seminars	DC field splitting in the excitation spectra of Rydberg atoms with optical nanofiber guided light fields	Sorbonne Université, Laboratoire Kastler Brossel	Paris, France	2026
Krishna Jadeja	Seminars	DC field splitting in the excitation spectra of Rydberg atoms with optical nanofiber guided light fields	Humboldt-Universität zu BerlinBerlin, Germany	Paris, France	2026
Christophe Pin	Seminars	Engineered momentum and spin densities of localized surface plasmons in the near-field of nanogaps	University of Burgundy Europe - Laboratoire interdisciplinaire Carnot de Bourgogne	France	2025
Christophe Pin	Seminars	Light-induced orbital rotation of VO2 particles & transverse spin of localized surface plasmons	University Lyon 1	Lyon, France	2025

Honors, Awards & Fellowships

Term 2 2025 - Ongoing	SPIE Fellow, 2026 [Fiscal Year: 2025]
Term 2 2025 - Term 2 2025	Session Organiser Award, 2025, PIERS [Fiscal Year: 2025]
Term 1 2024 - Ongoing	SPIE Senior Member, SPIE シニアメンバー, 2024, SPIE [Fiscal Year: 2024-07-26]
Term 3 2023 - Ongoing	Visiting Scientist award from Chemnitz University of Technology, 2023, Chemnitz University of Technology
Term 1 2021 - Ongoing	Visiting Scientist Award, 2021, LabEX PALM, France
Term 1 2020 - Ongoing	2021 OSA Fellow, 2021 OSA フェロー, 2020, Optical Society [Fiscal Year: 2020-09-01]

Honors, Awards & Fellowships [By Unit Members Only]

Term 1 2025 - Term 1 2025	Pramitha Praveen Kamath, Poster Prize Award, ポスター賞受賞, 2025, RAM 2025, OIST, 正規学生のプラミタプラビーンカマトゥが、その研究により OIST の RAM 2025 でポスター賞を受賞しました。 [Fiscal Year: 2025-10-02]
Term 1 2025 - Term 1 2025	Pramitha Praveen Kamath, OSA Grant to attend the Leadership Program in the USA at Frontiers in Optics, OSA 助成金により、米国 Frontiers in Optics のリーダーシッププログラムに参加, 2025, OSA, 正規学生のプラミタプラビーンカマトゥが米国の Frontiers in Optics のリーダーシップ プログラムに参加するための旅費補助金を受け取りました。 [Fiscal Year: 2025-10-28]

Term 3 2025 - Term 3 2025	Mohammed Zia Jalaludeen, 2025 SPIE student scholarship, 2025 SPIE 奨学金, 2025, SPIE, 正規学生のジャラルディーン モハンメド ズィアが SPIE 学生奨学金を受賞しました。 [Fiscal Year: 2025-05-01]
Term 3 2025 - Ongoing	Alexey Vylegzhanin, POC grant at OIST, OIST における POC 助成金, 2025, OIST innovation, ヴィレグジャニン アレックス博士は OIST の POC 助成金を受賞しました。 [Fiscal Year: 2025-07-01]

External Service

Term 1 2025 - Ongoing	Editor, Appl. Phys. B [Fiscal Year: 2025]
Term 1 2025 - Term 1 2025	Committee Member, ICNNQ'25, Committee member for conference organisation [Fiscal Year: 2025]
Term 1 2025 - Term 1 2025	Program Committee Member, Optical Biophotonics Confress: Optics in the Life Sciences - Optical Manipulation and its Applications [Fiscal Year: 2025]
Term 1 2025 - Term 1 2025	Co-Chair, OMC'25, Co-chair for OMC'25 Conference [Fiscal Year: 2025]
Term 1 2024 - Ongoing	Membership and Community Development Committee, SPIE, Committee Member [Fiscal Year: 2025]
Term 1 2023 - Term 2 2025	Equity, Diversity & Inclusion Committee, SPIE, Committee member [Fiscal Year: 2025]
Term 2 2023 - Ongoing	Editorial Advisory Board, SPIE Advanced Photonics Nexus [Fiscal Year: 2023]
Term 2 2020 - Ongoing	Editorial Board Member, SPIE Advanced Photonics [Fiscal Year: 2020]

Other Institutional Service

Term 1 2025 - Term 1 2025	Expedition to Antarctica - Towards a sustainable leadership, (University) [Fiscal Year: 2025-10-15]

Outreach Activities [For Unit Members Only]

Term 1 2025	Christophe Pin, Lecture: "Optical Tweezers" , Odawara SSH from Kanagawa Prefecture by OIST Graduate School [Fiscal Year: 2025-10-08]
Term 1 2025	Christophe Pin, Lecture: "Optical Tweezers", Odawara SSH from Kanagawa Prefecture by OIST Graduate School [Fiscal Year: 2025-10-09]
Term 1 2025	Zohreh Shahrabifarahani, Career talk, Yokkaichi SSH from the Mie Prefecture by OIST Graduate School [Fiscal Year: 2025-10-01]
Term 3 2025	Christophe Pin, Lecture: "A Strange Physical Quantity Called Energy", Seishin Gakuen SSH from Ibaraki Prefecture by OIST Graduate School [Fiscal Year: 2025-06-26]
Term 3 2025	Christophe Pin, Free discussion session: "Curious Minds Chat", Seishin Gakuen SSH from Ibaraki Prefecture by OIST Graduate School [Fiscal Year: 2025-06-25]

Workshops and Seminars [Organized and Hosted by Faculty/Units]

Speaker Name(s)	Title	Location	Date
Dr Dylan Brown	Laser cooling of aluminium monofluoride molecules in the deep ultraviolet	C209, OIST	2026-03-26
Dr Robert Loew	Hot atomic vapors: From fundamental science to quantum technologies	C210, OIST	2026-03-19

Speaker Name(s)	Title	Location	Date
Dr Lewis Picard	Entanglement-assisted readout and cooling of neutral atom qubits in an optical tweezer array	on Zoom	2026-02-24
Dr Scott Parkins	Nonclassical light – getting more of it out of a single atom	on Zoom	2026-02-17
Dr Sebastian Pucher	Neutral-Atom Based Quantum Computing with 171Yb Nuclear-Spin Qubits	on Zoom	2026-02-10
Tomas Lamich	A single emitter emitting resonance fluorescence into a coherent beam	C210, OIST	2026-01-26
Dr Mikael Käll	Micro- and Nanomotors Driven by Optical Forces and Torques	C209, OIST	2025-04-11
Dr Domna Kotsifaki	Plasmonic Optical Tweezers: From Nanoparticles Trapping to Biomolecules Manipulation	on Zoom	2025-04-10
Dr Georgiy Tkachenko	Multipliers of orbital angular momentum of light	on Zoom	2025-04-09
Maya Beano	Bridging Science and Art: A Journey from Medicinal Chemistry to Photographic Expression	C210, OIST	2025-04-08
Dr Beibei Li	Ultrasensitive ultrasound sensing with integrated optical microresonators	on Zoom	2025-04-03
Dr Takasumi Tanabe	Nonlinear Photonics in High-Q Microcavities: From All-Optical Switches to Microresonator Frequency Combs	C209, OIST	2025-03-10
Dr Silvie Bernatova	Principles and applications of optical and acoustic trapping combined with Raman spectroscopy	on Zoom	2025-02-17
Dr Jameesh Keloth	Individually Addressable Atom Array Coupled to an Optical Nanofiber Cavity: Advancing Towards Quantum Computing with Optical Nanofiber Cavity-QED	B503, OIST	2025-02-06
Dr Peter Simon Mekhail	Imaging in 3D and other fun things to do through multimode fibres	C209, OIST	2025-02-03