

PROVISIONAL PROGRAMME

Monday 27 September

Session 1

08:30-10:30

Chairperson: B Eggleton

08:30	J Pendry	Transformation Optics at Optical Frequencies
09:00	M Wegener	3D Metamaterials and Transformation Optics: Recent Progress
09:30	I Bergmair	Fabrication and Characterisation of stacked NIM samples
10:00	S Maier	Dual-band and broadband spoof surface Plasmon polariton metamaterials

Morning coffee

10:30-11:00

Session 2

11:00-13:15

Chairperson: J Vuckovic

11:00	B Eggleton	Nonlinear and photosensitivity in photonic crystal circuits
11:30	M Lipson	Strong light confinement in silicon resonant photonic structures
12:00	D Gerace	Photon Correlations in Photonic Crystal Cavity QED
12:30	IW Frank	Reconfigurable Filters: Photonics Put in Motion Via Capacitive Force and Dielectrophoresis
12:45	J Jágerská	Air-Slot Photonic Crystal Cavity for High Precision Refractive Index Sensing
13:00	F Pisanello	Silicon Nitride PhC Nanocavities as Versatile Platform for Visible Spectral Range Devices

Lunch

13:15-15:00

Session 3

15:00-17:00

Chairperson: E Yablonovich

14:45	J Vuckovic	Fast and energy efficient sources and modulators based on photonic crystals
15:15	M Nomura	Ultrasmall Zero-cell Photonic Crystal Nanocavity Laser with Quantum Dot Gain
15:45	SY Lin	The darkest manmade material: science and technology
16:15	BS Song	A glass-embedded photonic crystal nanocavity with ultrahigh quality(Q) factor
16:30	MA Dunder	Thermal and Thermo-Optic Tuning of Liquid Crystal Infiltrated InGaAsP Photonic Crystal Nanocavities
16:45	E Kuramochi	High-Q 1D SOI Nanocavity with Side Slab

Afternoon coffee

17:00-17:30

Session 4

17:30-19:45

Chairperson: J Pendry

17:30	X Zhang	Recent progress in optical metamaterials
18:00	S Fan	Solar Cell Light Trapping With Nanophotonics
18:30	FJ García de Abajo	Photons and electrons team up
19:00	JJ Saenz	Giant Enhanced Diffusion of Metal Nanoparticles in Optical Vortex Fields
19:15	A Arie	Generation and Control of Accelerating Airy Beams in Nonlinear Photonic Crystals

Leisure time

20:00-?!

Tuesday 28 September

Session 5

08:30-10:30

Chairperson: C Soukoulis

- 08:30 E Yablonovich The Two Conflicting Narratives of Metal-Optics
09:00 J Sánchez-Dehesa Acoustic Metamaterials based on Phononic Crystals
09:30 N Hidalgo Mesostuctured thin films as photonic crystal building blocks for sensing applications
09:45 B Jia Activating hybrid photonic crystals by core-shell quantum dots
10:00 I Staude Silicon Woodpile Photonic Crystals with Designed Defects
10:15 J F Galisteo-López Hybrid photonic-plasmonic crystals based on self-assembled structures

Morning coffee

10:30-11:00

Session 6

11:00-13:15

Chairperson: X Zhang

- 11:00 C Soukoulis Self-consistent calculations of loss compensated negative index metamaterials
11:30 E Ozbay Metamaterial Based Enhanced Transmission from Deep Subwavelength Apertures
12:00 N Gibbons Scalable Cylindrical Metallo-dielectric Metamaterials
12:15 D Martín-Cano Resonance Energy Transfer and Superradiance mediated by Nanoplasmonic Waveguides
12:30 M Patrini Nanoscale chemical mapping using 3D adiabatic compression of surface plasmon polaritons
12:45 M Burrese Enhancing the light absorption in thin films by two-dimensional multiple scattering
13:00 S Mühligh Effective Properties of Self-Assembled Bottom-Up Metamaterials

Lunch

13:15-15:00

Session 7

15:00-17:00

Chairperson: T Ebbesen

- 15:00 R Quidant Towards the Deterministic Control of Surface Plasmons
15:30 PV Braun Electrically-Driven Emission from 3D Photonic Crystal Devices Formed by Selective Area MOVPE
16:00 A Regensburger 3-dimensional hybrid metal-dielectric photonic crystals – novel functionality explored
16:15 D Pinotsi Charge controlled self-assembled Quantum Dots coupled to photonic crystal cavities
16:30 B Cluzel Coupling evanescently low loss Silicon-on-insulator ridge waveguides including high Q nanocavities
16:45 E Barakat Theoretical and Fabrication results of SHG from Nanopatterned metallo-dielectric Non-Linear Material

Poster Session 1

17:00-19:00

with Coffee

Chairperson: R Quidant

Contributions:

1, 2, 4, 11, 14, 15, 24, 27, 29, 30, 34, 35, 38, 40, 47, 58, 59, 64, 66, 68, 69, 72, 78, 80, 81, 85, 88, 89, 92, 95, 98, 99, 103, 104, 105, 110, 114, 119, 122, 125, 130, 135, 138, 144, 145, 146, 148, 151, 152, 158, 159, 160, 164, 168, 171, 172, 175, 177, 178, 182, 183, 187, 189, 190, 195, 196, 200, 202, 213, 214, 215, 217, 218, 220, 222, 225, 229, 231, 232, 235, 236, 241, 248, 249, 251, 256, 258, 261, 265, 268, 271, 273, 281, 282, 288, 289, 291, 293, 298

Alhambra at night

20:00-22:00

Wednesday 29 September

Session 8 08:30-10:30 Chairperson: D Wiersma

08:30	S John	Photonic Band Gap Materials: Light Trapping Crystals
09:00	L(K) Kuipers	Active control of colours in photonic crystals
09:30	M Gurioli	Probing the mode parity in photonic molecules
09:45	J M Caicedo	Magneto-optical spectroscopy of 3D Magneto-Photonic Crystals
10:00	I H Rey	Tunable Optical Delay Line in Engineered Slow Light Photonic Crystal Waveguides
10:15	N Le Thomas	Experimental control of the far field and Q factor of silicon photonic crystals cavities with a top mirror

Morning coffee 10:30-11:00

Session 9 11:00-13:15 Chairperson: S John

11:00	D Wiersma	Photons, dust, and honey bees
11:30	P Lodahl	Cavity Quantum Electrodynamics in Disordered Photonic Crystals
12:00	P Lalanne	The quasi-cylindrical wave
12:30	PD Garcia	Controlling Anderson Localization in Disordered Photonic Crystal Waveguides
12:45	R Sapienza	LDOS fluctuations probed by single-molecule spectroscopy in random and periodic media
13:00	S Kim	Lasing at Extended and Localized Modes in Mixed Photonic Crystals

Lunch 13:15-15:00

Session 10 15:00-17:15 Chairperson: P Lodahl

15:00	T Ebbesen	Light, metal and molecule
15:30	N Engheta	Graphene Metamaterials and Metatronic Circuitry
16:00	L Martín-Moreno	The surface electromagnetic field radiated by a subwavelength aperture in a metal film
16:30	AP Hibbins	Confinement of Microwave Surface Waves on Metamaterials
16:45	MU González	Increasing the Modulation Depth in Au/Co/Au Magnetoplasmonic Interferometers
17:00	WH Wee	Super Phase Array

Poster Session 2 17:15-19:15 with Coffee Chairperson: E Ozbay

Contributions:

5, 7, 10, 13, 16, 17, 18, 19, 21, 22, 23, 25, 26, 28, 31, 37, 39, 42, 45, 46, 52, 53, 54, 56, 57, 61, 62, 63, 65, 67, 70, 73, 75, 76, 77, 79, 84, 90, 94, 96, 100, 102, 105, 106, 107, 108, 113, 115, 116, 118, 121, 123, 124, 126, 128, 131, 132, 136, 137, 139, 140, 141, 142, 147, 150, 155, 156, 157, 161, 162, 163, 165, 166, 167, 169, 173, 176, 181, 184, 185, 186, 188, 191, 192, 193, 194, 198, 201, 203, 204, 205, 207, 208, 209, 211, 212, 216, 219, 221, 224, 227, 230, 233, 234, 238, 244, 245, 246, 247, 250, 253, 255, 257, 260, 262, 264, 266, 269, 270, 272, 274, 275, 277, 278, 279, 280, 284, 285, 286, 287, 290, 292, 294, 295, 296, 297, 300

Gala dinner 20:00-22:00

Thursday 30 September

Session 11

08:30-10:30

Chairperson: CT Chan

08:30	S Noda	Recent Progress in Photonic Crystals - Dynamic Control of Light and Novel Photonic-Crystal Lasers
09:00	TF Krauss	Slow light in photonic crystal waveguides - how slow can we go?
09:30	U Mick	Robotic Assembly of Spatial Structures for Prototyping in Photonics and Plasmonics
09:45	A Tuniz	Drawn Terahertz Metamaterials
10:00	S Vignolini	Magnetic Imaging in Photonic Crystal Nanocavity
10:15	C Schriever	Field Enhancement in Hybrid Slot Photonic Wire Microcavities

Morning coffee

10:30-11:00

Session 12

11:00-13:15

Chairperson: M Notomi

11:00	CT Chan	A Metamaterial Slab as a Lens and a Cloak
11:30	I El-Khadi	A group theory approach to tailored optical properties of metamaterials: An inverse problem solution
12:00	PH-Ryeong	Mode-Size converter for long-range SPP via tapered insulator-metal-insulator-metal-insulator structure
12:15	MJA De Dood	Strong Edge Effects and Optimal Symmetry Breaking in Photonics Graphene
12:30	M Navarro-Cía	Positive-Negative Birefringent Extraordinary Transmission Metaprism
12:45	S Xiao	Suppressed Transmission in Semi-transparent Ultrathin Metal Films
13:00	A Aubry	Interaction between Plasmonic Nanoparticles Revisited with Transformation Optics

Lunch

13:15-15:00

Session 13

15:00-17:15

Chairperson: W Vos

15:00	M Notomi	Photonic Crystals for Green ICT?
15:30	LE Bausá	2D arrangements of rare earth based luminescent micro-composites
15:45	C Grillet	Four-wave mixing in slow light engineered silicon photonic crystal waveguides
16:00	J Bravo-Abad	Efficient THz Generation via Triply-Resonant Nonlinear Frequency Mixing: On-chip Turn-key THz Sources
16:15	M Galli	Continuous-Wave Harmonic Generation in Far-Field Coupled Silicon Photonic Crystal Nanocavities
16:30	MO Ramírez	Non-collinear SHG reveals directionality in Two Dimensional Nonlinear Photonic Crystals
16:45	C Ciraci	Highly Integrated Efficient Second-Harmonic Generation in Nanorod Chains
17:00	SM Luke	Structural Optimisation for Broadband Scattering in Several White Beetles

Afternoon coffee

17:15-17:45

Session 14

17:45-19:15

Chairperson: S Noda

17:45	WL Vos	Physics of CMOS compatible Silicon Photonic Crystals
18:15	XH Wang	Coherent Control of Quantum Superposition State in Photonic Crystals via Zeeman
18:30	T Yamada	Analysis of Vertical Coupling between 2D PC L7 Cavity and Amorphous-Silicon-Wire Waveguide
18:45	SA Schulz	How to Make Low-Loss Slow Light Waveguides
19:00	R Shankar	Silicon-Based Mid-Infrared Photonic Crystal Cavities

Departure

19:15