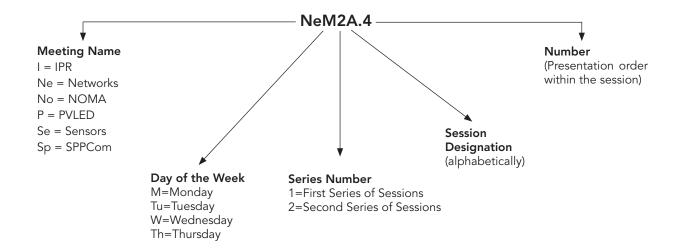
#### **Explanation of Session Codes**



The first section of the code designates the meeting (I = IPR, Ne = Networks, No = NOMA, P = PVLED, Sp = SPPCom). The second element denotes the day of the week (M=Monday, T=Tuesday, W=Wednesday, Th=Thursday). The third element indicates the session series in that day (for instance, 1 would denote the first parallel sessions in that day). Each day begins with the letter A in the fourth element and continues alphabetically through a series of parallel sessions. The lettering then restarts with each new series. The number on the end of the code (separated from the session code with a period) signals the position of the talk within the session (first, second, third, etc.). For example, a presentation coded NeM2A .4 indicates that this paper is part of the Networks topical meeting (Ne) and is being presented on Monday (M) in the second series of sessions (2), and is the first parallel session (A) in that series and the fourth paper (4) presented in that session.

Invited papers are noted with Invited

Tutorial papers are noted with Tutorial

Keynote paper is noted with Keynote

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## Agenda of Sessions — Monday, 29 July

	Grand Peninsula G	Sandpebble Room AB	Sandpebble Room CD	Grand Peninsula E	Grand Peninsula F	
	IPR	NOMA	PVLED	Networks	SPPCom	
07:00–18:00	Registration, Grand Peninsula Foyer					
08:00–10:00	JM1A • Introductory Remarks and Plenary Session, Grand Peninsula EF					
10:00–10:30	Networking Coffee Break with Exhibitors, Grand Peninsula D					
10:30–12:30	IM2A • Lasers and Sources	NoM2B • Polymers and Nonlinear Materials	PM2C • Space, Cooling and Other Energy/Optics	NeM2D • Free- space Optical and Satellite Communications	SpM2E • Nonlinear Optics (ends at 12:00)	
12:30–14:00	Lunch (on own)					
14:00–16:00	IM3A • Integrated Devices and Circuits	NoM3B • Nonlinear Materials and Devices	PM3C • LED 1	NeM3D • Devices and Transmission 1	SpM3E • Optical Signal Processing (ends at 15:45)	
16:00–16:30	Networking Coffee Break with Exhibitors, Grand Peninsula D					
16:30–18:00	IM4A • Microwave Photonics and Optical Phased Arrays	NoM4B • Novel Glass Applications	PM4C • Pervoskite PV	NeM4D • Devices and Transmission 2 (ends at 17:45)	SpM4E • Networks and Transceiver Technology	
18:30–20:00	Congress Reception, Grand Peninsula D					

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#### **Key to Conference Abbreviations**

IPR Integrated Photonics Research, Silicon and Nanophotonics

NETWORKS Photonic Networks and Devices

NOMA Novel Optical Materials and Applications

PVLED Optical Devices and Materials for Solar Energy and Solid-state Lighting

## Agenda of Sessions — Tuesday, 30 July

	Grand Peninsula G	Sandpebble Room AB	Sandpebble Room CD	Grand Peninsula E	Grand Peninsula F	
	IPR	NOMA	PVLED	Networks	SPPCom	
07:30–17:30	Registration, Grand Peninsula Foyer					
08:00–10:00	IT1A • Frequency Combs 1	NoT1B • Materials for Solar/LED Applications	PT1C • Thin-film Solar Materials (starts at 08:30 and ends at 09:45)	NeT1D • Network Management and Operation	SpT1E • Access Networks (starts at 09:00 and ends at 09:45)	
10:00–10:30	Networking Coffee Break with Exhibitors, Grand Peninsula D					
10:30–12:30	IT2A • Frequency Combs 2 and Resonators	NoT2B • Biomimetic and Biocompatible Optical Materials	PT2C • LED 2	NeT2D • Access, Metro and Transport Network Evolution	SpT2E • Digital Signal Processing 1	
12:30–14:00	Lunch (on own)					
	Student and Early Career Professional Development & Networking Lunch and Learn, Bayside Room					
14:00–16:00	IT3A • Photodetectors and Sensing	NoT3B • Metamaterials and Metasurfaces 1	PT3C • Liquid- phase Solar Materials (ends at 15:00)	NeT3D • High- performance Networks	SpT3E • Digital Signal Processing 2 (ends at 15:45)	
16:00–18:00	JT4A • Poster Session and Networking Coffee Break with Exhibitors, Grand Peninsula D					
19:00–21:00	Evening Session: A Light in Digital Darkness; Optical Wireless Communications to Connect the Unconnected, Grand Peninsula EF					

#### **Key to Conference Abbreviations**

IPR Integrated Photonics Research, Silicon and Nanophotonics

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# Agenda of Sessions — Wednesday, 31 July

	Grand Peninsula G	Sandpebble Room AB	Sandpebble Room CD	Bayside Room	Grand Peninsula EF	
	IPR	NOMA	PVLED	NOMA	Symposium	
07:30–17:30	Registration, Grand Peninsula Foyer					
08:00–10:00	IW1A • Optomechanics and Nanophotonics	NoW1B • Metamaterials and Metasurfaces 2	PW1C • LED 3 (starts at 08:30)		QtW1E • Quantum Technologies 1	
10:00–10:30	Networking Coffee Break with Exhibitors, Grand Peninsula D					
10:30–12:30	IW2A • Photonic Computing and Emerging Technologies (ends at 13:00)	NoW2B • Two- dimensional Materials	PW2C • Modeling, Bifacial, Solar Resource, BIPV	NoW2D • Glass Materials and Applications (ends at 12:00)	QtW2E • Quantum Technologies 2	
	Lunch (on own)					
12:30–14:00	Workshop: Hands-on Introduction to Data Analytics and Machine Learning in Optical Networks,  Bayside Room					
14:00–16:00	IW3A • III-V Integration	NoW3B • Phase- change and Metamaterials (ends at 15:45)	PW3C • Materials and Techniques		QtW3E • Quantum Technologies 3	
16:00–16:30	Networking Coffee Break with Exhibitors, Grand Peninsula D					
16:30–18:00	Postdeadline Paper Session, Grand Peninsula EF					
18:30–20:30	Congress Banquet, Domenico Winery, San Carlos, CA					

#### **Key to Conference Abbreviations**

IPR Integrated Photonics Research, Silicon and Nanophotonics

NETWORKS Photonic Networks and Devices

NOMA Novel Optical Materials and Applications

PVLED Optical Devices and Materials for Solar Energy and Solid-state Lighting

# Agenda of Sessions — Thursday, 1 August

	Grand Peninsula G	Sandpebble Room AB	Sandpebble Room CD	Grand Peninsula E	Grand Peninsula F	
	IPR	NOMA	PVLED/IPR	Networks	SPPCom	
07:30–14:00	Registration, Grand Peninsula Foyer					
08:00–10:00	ITh1A • Silicon Photonic Integrated Circuits (Si PICs)	NoTh1B • Plasmonics and Metamaterials	PTh1C • III-V PV and Phosphors (starts at 08:30)	NeTh1D • Network Telemetry, Data Analytics and Visualization	SpTh1E • Transmission 1 (starts at 08:30)	
10:00–10:30	Networking Coffee Break with Exhibitors, Grand Peninsula D					
10:30–12:30	ITh2A • Quantum and Nonlinear Photonics	NoTh2B • Two- dimensional Materials and Nanomaterials	ITh2C • Modulators (starts at 11:00)	NeTh2D • Heterogeneous and Distributed Photonic Networks (ends at 12:00)	SpTh2E • Transmission 2 (ends at 12:15)	
12:30–14:00	Lunch (on own)					
14:00–16:00	ITh3A • Biophotonics and Sensing	NoTh3B • Active Materials and Metamaterials	ITh3C • Photonic Technologies (ends at 15:30)	NeTh3D • Devices and Transmission 3	SpTh3E • Freespace Optics and Visible Light Communication	

#### **Key to Conference Abbreviations**

IPR Integrated Photonics Research, Silicon and Nanophotonics

NETWORKS Photonic Networks and Devices

NOMA Novel Optical Materials and Applications

PVLED Optical Devices and Materials for Solar Energy and Solid-state Lighting