

UCL Sensors Systems and Circuits Group
RF, Radar, Antenna, EM
Friday Seminars, Tutorials and Journal Club 2021

Takes place on the following dates at 14:30 using the Zoom link provided

January	1	-	-
	8	-	-
	15	Alfonso Farina	
	22	Matthew Ritchie	Journal club – paper presentation
	29	Nial Peters	Xilinx RFSoc: an RF Swiss-army knife?
February	5	Colin Horne	
	12	Alvaro Arenas	NetCDF (Network Common Data Form)
	19	Jonathan Hawkins	Progress towards a field-ready HF-VHF ApRES ground-based SAR imaging platform for polar deployment
	26	Andy Stove	A simple practical demonstration of Compressive Sensing for ESM via Gabor Transforms
March	5	Shelly Vishwakarma	GAN based noise generation to aid activity recognition
	12	Michael Woollard	SARCASTIC 2.0: Initial results compared to existing simulators
	19	-	-
	26	EMSIG SEMINAR – Webex Athena Karsa	Quantum Radar: The Road Ahead
April	2	-	-
	9	Wenda Li	Design of a high speed Software Defined Radar with a GPU accelerator
	16	Murat Temiz	Dual-Functional Massive MIMO OFDM Radar and Communication System
	23	Piers Beasley	
	30	Stephen Paine	Deployment of a commercial Passive Radar system at the Square Kilometre Array Radio Telescope

May	7		
	14	Onur Kiris	Design of a Class J Power Amplifier for Particle Accelerators
	21	Dilan Dhulashia	Simulated/Experimental Millimetre Wave Radar Human Micro-Doppler Classification
	28	Abdur Rehman	
June	4	EMSIG SEMINAR – Stephen Paine	Deployment of a commercial Passive Radar system at the Square Kilometre Array Radio Telescope
	11	Peter Speirs	High-detail simulations of consumer-grade UAV RCS signatures, and comparisons against measurements
		Matthew Moore	Modelling drone micro-Doppler using dynamic point clouds
	18	Ole Halvard Sætran	Non-Ellipsoidal Association Scores and Orientation Assisted Tracking
	25	Chong Tang	Deep Learning Strategies for Passive WiFi Radar Sensing
July	2	Julien Le Kernec	Radar Sensing in Assisted Living
	9	Jonathan Hawkins	2D Ray-Based Simulations for Subglacial Imaging
	16	Murat Temiz	Waveform Selection in Multistatic Multiband Radar Networks
	23	–	–
	30	Michael Woollard	Handling Unknown Targets in SAR ATR Systems
August	6		
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September	3		
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October	1		
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November	5		
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December	3		
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