		Tuesday 21ad October		
9:	Tuesday 22nd, October PLENARY SESSION 9:00 Welcome session			
9:	15		ion Agency) - Patrick AUFORT e Lab) - Antoine GODARD	
10: Tea/coffee break 10: 11:	25		ystems) - Pierre FOSSIER 	RTOFT (CNES)
11: Lunch Break 12:	50 Turning a few I/O comm	ercial radar chipset at 77GHz into a 4D imaging rada	r using reconfigurable intelligent surfaces - Geoffroy	
Session Name	Special Session: Artificial Intelligence for Radar	ORAL SI Cognitive R+D38adar & waveform design	ESSIONS Weather Radar & OTH/HF Radar	
14:	Fusion Using LSTM 20 Radar/Optro Meta-sensor: Augmented Radar	A resource management approach for concurrent operation of RF functionalities Distributed Quality of Service Multi-Sensor Resource	Key Challenges in True Multistatic OTH Radar Concepts based on HF-Radar in iFURTHER	
14:		Allocation Model Non-coherent Cognitive Technique For Frequency	Bistatic Denial for HF Skywave Radar Differentiating Tsunamis from Atmospheric-Induced	
15:	LSTM-Based Clutter Filtering for Improved Radar Target Tracking 30 Radar HRRP Open Set Recognition Using Hierarchical Prototyne Learning	Selective Jamming Improving Doppler Robustness for Optimized	Events Using Coastal High-Frequency Radars Application of Circular Statistics on the Weather	
15: Tea/coffee Break 15:	Transformer Network	Complementary FM Waveform Subsets Analysis of Spectrally Efficient Random FM Radar Waveforms	Radar Doppler Spectrum Multi-Sensor Data Fusion Based on Millimeter Radar and Laser Disdrometer	
Session Name	Special Session: Multistatic radar and radar networks	Articifial Intelligence/Machine Learning	Antenna & front-end	
16:	0 Ship-borne 3D ISAR Imaging	A Multi-Channel Convolutional Neural Network Based Target Detection Approach For Coastal Surveillance Radars	Identifiability Analysis of Non-Integer Antenna Arrays in the Presence of Mixed (Strong and Weak) Signals	
16:	Analysis on the Impact of a Clustered Multistatic Radar Network on Target Localization Accuracy	Investigating SAR Data Denoising: A Comparative Analysis of CNN Models with Multi-Channel Signal Processing Features	Phase Synchronization of Distributed Array Radar based on Minimum Entropy Method	
17:	20 Exploitation of man-made objects shadows in multi- perspective drone-borne based SAR images: preliminary experimental results	Classification of micro-Doppler signatures with the use of orthogonal moment-based features	ONERA Array Antenna Development in the CROWN Project: A Demonstrator for enhanced EM Multifunction Systems Operating at 6-18 GHz	
17:	⁴⁰ Bio-inspired Waveform in a Multistatic Configuration	Radar Signal Denoising for ISAR Imaging Using Complex-valued Neural Network Synthesis of Through-Wall Micro-Doppler Signatures	Design and Implementation of an Agile L-Band Frequency Synthesizer for Modern Radar Systems Time-Modulated Array Based Linear Frequency	
18:		of Human Motions Using Generative Adversarial Networks SESSIO	Modulation Radar F50 NS END	
19:		Welcome Reception at the Wednesday 23rd, October		
Session Name	Special Session: Emerging Trends in Machine Learning for Polarimetric and/or Interferometric	ORAL SI	SSIONS Phenomenology: characterization and systems	
8:	SAR Imaging			
8:	Classification: A Study on Explanation Consistency and Ensemble Learning	Real-Time Bistatic Noise Radar with Adaptive Beamforming Micro-Doppler Signature Classification of Unmanned	Over-the-horizon surface wave radar: from the maritime target point-of-view Radar electromagnetic scattering from a dihedron	
9:	polarimetric features through deep learning Advancements in Space Object State Estimation During Constant Thrust Maneuver Using Distributed	Aerial Vehicles Using FMCW Radar FMCW Radar system for UAV tracking and identification by MDS recognition	with a rough face Numerical Analysis of the MM-Wave Scattering from Randomly Rough Surfaces	
9:	Sensor Networks: A Radar Based Approach Decimeter-resolution PolSAR image segmentation using Segment Anything Model	Rotation rate estimation of dual propellers drones	SWALIS, KaRADOC and HOMARDS: a suite of airborne radars to support satellite earth observation missions	
9:			SWOT Cal/Val Campaign based on the SWALIS airborne sensor. Comparaison of o0 over the Rhine F66	
Tea/coffee Break 10:			F66	
Session Name	years of collaboration in Radar Deep-learning Based Wall Mitigation Method for	Passive Radar Multistatic Data Fusion for GNSS-Based Air-to-Air	Design Method of MIMO Subarrays Sparse Layout for	
11:	Through-the-wall Radar Imaging	Passive Radar Target Localisation in Real Time for Non-Coherent Multistatic Passive Radar	Wide Aperture Radar Imaging Joint Design of Transmit Waveform and Receive Filter for Deceptive Jammer Suppression with FDA-MIMO	
11:		First Results From Airborne Passive Radar Measurements And Aircraft Detection Exploiting	Radar Investigation of a 3D MIMO TDM FMCW Radar	
11:	Tonospheric scintiliation effects for L-band SAR	Digital TV Broadcast Signals Protection of Critical Infrastructure using LTE450- based Passive Radar: Range Measurements for Drone Detection	Unsupervised Learning for Forward-Looking MIMO SAR Reconstruction based on U-Net	
12:	00 SAR time series for under canopy detection	Drone Detection Microdoppler Drone identification in DVB-T Passive Radar	An Estimation-Theoretic Approach to Joint Antenna Placement and Power Allocation in Colocated MIMO Radar	
Lunch Break 12: Session Name	20 Special Session: Historical session	Multistatic Radar & Radar Network	Simulation for Radar systems	
13:	Radar Prehistory	Aspects of Operating Low-Cost Bistatic Radar Transmitters	Target Focused Estimation of the Stages in the Multistage Wiener Filter	
14:	The AN/APS-20 radar in use with the British FAA and RAF	Aircraft attitude estimation using simultaneous monostatic and bistatic ISAR images Joint Trajectory Optimization and Power Allocation	High Performance Simulation of Spaceborne Radar for Remote Sensing Oceanography: Application to an Altimetry Scenario	
14.	Harbour Area, in View of the Operation Cerberus (February 18, 1942)	for Target Tracking in Airborne Radar Network with Missing Data	EMPRISE : Synthetic Environment for sensor design and virtual qualification Large-Scale SAR Image Simulation using EMPRISE*	
	On the development of airborne radar in Italy and its evolution into the digital era	Minimum Redundancy Wavenumber Illumination for FDM MIMO spaceborne SAR Tomography	Software Compared to Real Image acquisitions with SETHI airborne Platform Over the Sainte-Marie-Ia-	
15: Tea/coffee Break 15:	advances in digital processing	Feasibility Study for a Multichannel Forward Scatter Radar Exploiting Amplitude-based Array Processing	Mer countryside Synthetic RAW data generator for ESA HARMONY mission	
Session Name	Artificial Intelligence/Machine Learning	POSTER SESSION (1): RADAR S Radar imaging	IGNAL PROCESSING METHODS Detection/estimation	Advances in signal processing
15:	RadarMOTR: Multi-Object Tracking with Transformers on Range-Doppler Maps	A Novel Radar Forward-Looking Three-Dimensional Imaging Algorithm on Moving Platform Based on Vortex Electromagnetic Wave	Target range angle and velocity estimation method for FDA-MIMO radar	Parameter Optimization of the BIC System Used in HFSWR to Improve Direction-Finding
	TS-SCAN: a Density-Based Clustering Method for Trajectory Analysis and Anomaly Detection Searching Efficient Deep Architectures for Radar	Vortex Electromagnetic Wave Experimental Results on Co-registration for Multitemporal ICEYE SAR Images TH2 SAR Bistatic 3D Global Backprojection Algorithm	Velocity Filtering Based Track-Before-Detect With Range And Doppler Ambiguities in Doppler Radars Two-stage Bayesian Radar Signal Identification with	Phase Correction Method for Coherent Processing of Quasi-coherent MIMO Radar Networks Iterative Capon Estimation for Saturated Forward
	Target Detection using Monte-Carlo Tree Search Object Relevance for Radar Object Detection on Autonomous Driving Scenarios	with Phase Control Generalized Polar Format Algorithm for imaging complex target motion	Multidimensional Mixture Distribution Model A DOA Estimation Algorithm with No Angle Ambiguity for SULA of FMCW Radar	Jamming Suppression with MIMO Radar Adaptive Interference Mitigation for Time-Varying Narrowband Interference in Automotive CS radars
	SAR-to-Optical Image Translation Using Conditional Denoising Diffusion Probabilistic Models	Microlocal Analysis of Multistatic Radar Imaging E85	Orbital Angular Momentum Based Monopulse Angle Estimation against Cross-eye Jamming	Experiments with Cognitive Micro-Doppler Radar: Detection of Aircrafts' Micro-Doppler Signals with Varied CPIs and PRFs
	Noise Radar Waveform Design: Preliminary Results for a MOEA Approach D66	Assessing Landslides Triggered by Earthquakes in Mila Northeast Algeria Using Small Baseline Time Series DInSAR Approach E61	Resolving Velocity Ambiguity via Virtual Error Compensation in Multi-Domain Coding Radar Differential Evolution algorithm to jointly estimate	Main-lobe Interference Suppression Algorithm Based on TF-RobustICA Collaborative Low-Altitude Air Traffic Control Under
	A Machine Learning Approach to Helicopter Open set Classification based on Microdoppler Signatures Synthesizing SAR Images with Generative AI:	Change Detection in Polarimetric and Multilook SAR imagery using Stochastic Distance Soll Moisture Retrieval Based On Improved Change	Differential Evolution algorithm to jointly estimate the target parameters in a MIMO OFDM DFRC system Distributed Radar Target Detection with Doppler	Collaborative Low-Altitude Air Traffic Control Under Communication Constraints in Integrated Sensing and Communication Networks
	Synthesizing SAK images with Generative AI: Expanding to Large-Scale Imagery Federated Learning for Radar Systems - Sharing	Soil Moisture Retrieval Based On Improved Change Detection Method Using Sentinel-1 Data FOCALISATION: A Versatile and Efficient Tool for	Low Probability of Interception Radar Signals Low Probability of Interception Radar Signals Detection, Comparison of a YOLOv8 Model and a	
	Knowledge without sharing Data Deep Learning Assisted Radar Jamming Detection from Target Returns for Joint Radar Communication	Raw Data Analysis and Radar Image Formation	Conventional Signal Processing Method	
17:			NS END	
Session Name	Articifial Intelligence/Machine Learning 2	Thursday 24th, October Advances in Radar Signal Processing 1	Advances in Radar imaging (systems)	
8	30 Beyond Accuracy: Evaluating Model Reliability for Target Radar Image Classification Using SHAP (56)	Symplectic Geometry in Radar: 2-Form of Maxwell Equations and Wigner/Woodward Ambiguity Function (24)	120 GHz and 240 GHz Si-Ge FMCW radar for high resolution close range SAR imaging (119)	
8:	Counterfactual Explanations (101)	Width Measurement by Partial Convolution of Radar Signals in Spectral Domain (42) Micro-Doppler Super-Resolution Using Iterative	EPIK-SAR: Embedded radar Platform in Ku-band for SAR applications (121) LATEST UPGRADES ON SAR-LIGHT, ONERA'S UAV-	
9:	Detection Networks (29)	Adaptive Approach (62) Experimental Demo of Range Disambiguation via Slow-time Coding & Reiterative Super-Resolution	EMBEDDED SAR TOOL (293) Hybrid SAR/ISAR imaging with VHR spaceborne data for inland waterways surveillance (235)	
9:	Training Deep Learning Models with Hybrid Data sets for Robust Automatic Target Detection on real SAR	(185) Coherent Accumulation of Random Frequency and Pulse Repetition Interval Agile Radar (216)	tor mano water ways survemance (255)	
Tea/coffee Break 10: Session Name	images (117) Detection and estimation	Advances in Radar imaging (processing)	Automotive Radar	
	An Improved Total Least Squares-Based Monopulse Ratio Estimate Given Multiple Data-Snapshots from a	Determination of Absolute Interferometric Phase in Circular InSAR Based on Demons Algorithm and Dual-	Applying a Biprism in Radar Test Ranges for Angular Measurements	
11:	Uniform Line Array D83	angle Observation A New wide-swath imaging and ground moving- target imaging scheme for MIMO-SAR based on	Measurements Radar Spectra-Language Model for Automotive Scene Parsing	
11:		azimuth phase coding Enhanced Radar Imaging of Rotating Objects for Space Domain Awareness (SDA) TH2 ISAR Imaging of Space Target with Vibration	Wavefield Networked Sensing for High-Resolution Distributed Automotive Microwave Imaging Improving Deep Learning Change Detection in	
11:	Clutter Background	THz ISAR Imaging of Space Target with Vibration Compensation	Improving Deep Learning Change Detection in Automotive Radar Maps by Data Augmentation Bandwidth Spreading With Range Cell Migration in FMCW Automotive Radar	
Lunch Break 12: Session Name		Future trends in Radar system	Advances in Radar signal processing 2	
13:	OFDM-DFRC Waveform Design Based on Mutual Information in Presence of Doppler	A Photonic Multiband Radar Transmitter Architecture with Tailored Nonlinear Transmission Line	Vertex-oriented Metaheuristic for Radar Lobe Detection in Electronic Warfare Context	
14:	20 Experimental Demonstration of Multi-User Radar/Communications (MURC)	RADAR COLLABORATION, HOW TO ADDRESS THE ASSOCIATED CHALLENGES? Quantum Computing for Partition Function	Performance Analysis of a Joint Detection and Delay- Doppier Estimation Algorithm for MIMO Radars	
14:	Sparse Vector-Antenna Array Design for Dual- Functional Radar Communications	Estimation of a Markov Random Field in a Radar Anomaly Detection Problem	Generative Multi-View HRRP Recognition Based on Cascade Generation and Fusion Network	
15:	Target Range and Velocity Estimation for Joint Radar and Communications with Up and Down Chirps Radar and Communications Source Separation via	Quality-of-Service Based Radar Resource Management for Concurrent SAR Imaging Modes Field-trial Demonstration of a Broadband Microwave		
Tea/coffee Break 15:	Sparse Time-Frequency Estimation 20		Stepped-Frequency Continuous Wave Signals SYSTEMS and APPLICATIONS	
Session Name	Special session: French agency for innovation and defence 10 Simulation of buried objects Radar Cross Section (RCS)	Applications		Phenomenology
15:	using a Hybrid Finite Volume Method: Experimental validation through RCS measurements of a PEC sphere	Reliable Traffic Monitoring Using Low-Cost Doppler Radar Units	Segmentation and Classification of Solid Construction Waste with mmWave Imaging	Filters Design that Mitigate Pulse Eclipsing Modulation of Pulse Agile Waveforms
	CRUSOE: A Low SWaP UWB Optoelectronic Radar Demonstrator Pattern Synthesis Based on Numerical Optimization	Exploring Short-Term Bird Behavior in a Local Area Using Phased-Array Avian Radar Passive Multistatic Localization with the Prior	A Magnetron with Two RF Energy Outputs for Advanced Radar Systems Lightweight pod design for radar threat emitter	OP-RBC-based STAP Method for Clutter Suppression in Bistatic End-fire Array Airborne Radar Long Distance Surface Wave Propagation Over
	for Conformal Multi-source Antenna Adaptive Multichannel Scanning Strategies for	Receiving Beamwidth Constraint Composite metasurface for surface wave radar	simulation Comparative Analysis of Artificial Intelligence Methods for Unmanned Aerial Vehicle (UAV)	Realistic Terrains Investigation on Micromotion Characteristics of Trimaran and Corner Reflector Based on the Motion
	Electronic Support Using Multi-Armed Bandits	enhancement	Recognition and Identification Using Micro-Doppler Signatures	of Six Degrees of Freedom 2D Spatial-Temporal Simulation of GPR Penetration
	Classification of Radar Pulses Modulation Laws via Convolutional Neural Networks High-Frequency Surface Wave Radars in the	Single Snapshot Multi-angle Target 2D Reconstruction based on RANSAC and RAM	Adaptive Detectors for Moving Platform based Distributed Coherent Aperture Radar	in the 200-400MHz Band for Detecting Voids and Entrapped Persons in Multi-Layered Collapsed Building Structure G103
	High-Frequency Surface Wave Radars in the Mediterranean Sea: civil and environmental applications Hybrid CRB for Initial and Current States of Discrete-	ROXI: a small compact vertically-pointing X-band radar Doppler for atmospheric profiling Detection of wheelchairs in indoor and public spaces	ESTAR Multipath Angle Estimation for Sparse Array MIMO Radar RIS-aided Positioning and Interference Cancellation	
	Time Markovian Dynamic Systems Iterative Physical Optics Model for Near Field Backscattering from Dielectric and Lossy Targets	using an LTE-based passive radar Analysis and Simulation of Near Field Effects for Widely Separated Coherent FMCW Radar Networks	with a single element Antenna receiver An L-band Bistatic Radar: Experimental System and Measurement Campaign	
	Platform for Direction of Arrival measurements considering complex scenario : Application to Radome Evaluation AMBRA project: cooperative multistatic radar for			
	AMBRA project: cooperative multistatic radar for aerial target detection in urban areas SAR image simulation with ionospheric phase screen			
17:	The 3D-MAGIC project. Design and production of electromagnetic absorbers using 3D printing		NK END	
17: 18:15/18:			NS END DEPARTURE	