Session Program

19-22 Sept 2022

Machine Learning in Natural Sciences: from Quantum Physics to Nanoscience and Structural Biology

Poster Session

CFEL (Building 99), Seminarraum 1-3 Luruper Chaussee 149 22761 Hamburg Germany

Monday 19 September

	Poster Session Poster Session Location: CFEL (Building 99), Seminarraum 1-3, Luruper Chaussee 149 22761 Hamburg Germany
	Quantum magnetic skyrmions using neural network quantum states Speaker Ashish Joshi
	Machine learning parameters of attosecond pulses based on photoelectron momentum distributions
	Speaker Tomasz Szoldra
	Continuous Machine Learning with generated radio galaxy data Speaker Florian Griese
	SciFi: An Embedded Asset Store to Organize and Optimize Data Files for Machi Learning
	Speaker Martin Poppinga
_	Speaker Ms Teresa Sancho-Lorente Building separable approximations for quantum states via neural networks Speaker Antoine Girardin
	Object detection on GaN quantum wells SEM images incorporating YOLO netwo Model
	Speaker Mr Mahdi Khalili Hezarjaribi
	Estimating the entangling power of a two-qubit gate from measurement data: artificial neural networks versus standard tomography methods
	Salwa Shaglel
	Utilising charge state distributions for calibration of intense XFEL pulses with Bayesian optimisation
	Speaker

Speaker Eloy Piñol Jimenez

Neural quantum states for the simulation of nonequilibrium quantum systems

Speaker

Damian Hofmann

Topological characterization of dynamic chiral magnetic textures using machine learning

Speaker Tim Matthies

21:00

Wednesday 21 September

18:00 Poster Session

21:00

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