Tuesday 17 September 2024	
08:00 - 09:00	Onsite registration
09:00 - 09:10	The 2nd IEEE International Conference on Federated Learning Technologies and Applications (FLTA 2024) Opening & Welcome
09:10 - 10:10	Keynote Session 1
10:10 - 10:30	Coffee break
10:30 - 12:10	FLTA Session 1 | Chair: TBA • Using the Nucleolus for Incentive Allocation in Vertical Federated Learning **Afsana Khan, Marijn ten Thij, Frank Thuijsman and Anna Wilbik** • Seamless Integration: Sampling Strategies in Federated Learning Systems **Tatjana Legler, Vinit Hegiste and Martin Ruskowski** • Bayesian Federated Learning with Stochastic Variational Inference **Mehreen Tahir, Feras Awaysheh, Sadi Alawadi and Muhammad Intizar Ali** • Learning to Unlearn in Federated Learning **Yixiong Wang, Jalil Taghia, Selim Ickin, Konstantinos Vandikas and Masoumeh Ebrahimi**
12:10 - 13:15	**LUNCH Break**
13:15 - 15:00	FLTA Session 2 | Chair: TBA • FedCLO: Federated Learning with Clustered Layer-wise Communication Load Optimization **Tsung-Han Chang, Ted T. Kuo, Li-Jen Wang and Chia-Yu Lin** • A Critical Look into Threshold Homomorphic Encryption for Private Average Aggregation **Miguel Morona-Mínguez, Alberto Pedrouzo-Ulloa and Fernando Pérez-González** • Federated Learning Optimization by Training Policy for Privacy-Preserving Logistic Regression **Jorge M. Cortes Mendoza, Andrei Tchernykh and Horacio Gonzalez-Velez** • Comparative Evaluation of Clustered Federated Learning Methods **Michael Ben Ali, Omar El-Rifai, Imen Megdiche, André Peninou and Olivier Teste**
15:00 - 15:30	**Coffee Break & Poster Session 1**
15:30 - 17:00	Industry Keynote 2

Wednesday 18 September 2024			
08:00 - 09:00	Onsite registration		
09:00 - 09:10	The 2nd IEEE International Conference on Federated Learning Technologies and Applications (FLTA 2024)		
	Opening & Announcements		
09:10 - 10:10	Keynote Session 3		
10:10 - 10:30	Coffee break		
10:30 - 12:10	FLTA Session 3	Chair: TBA	
	• Deployment of Federated Learning on a Low-Cost Distributed Infrastructure **Víctor Hidalgo Izquierdo, Maria Blanca Caminero and Carmen Carrion** • Exploring Federated Learning Dynamics for Black-and-White-Box DNN Traitor Tracing **Elena Rodríguez-Lois and Fernando Pérez-González** • Entropy and Mobility-based Model Assignment for Multi-model Vehicular Federated Learning **Wellington Viana Lobato Junior, Joahannes Costa, Luis F. G. Gonzalez, Eduardo Cerqueira, Denis Rosário, Christoph Sommer and Leandro A. Villas** • Efficient Federated Learning on Resource-Constrained Edge Devices: Integrating Data Distillation and Semi-Supervised Learning **Mahdi Barhoush, Ahmad Ayad, Mohammad Kohankhaki and Anke Schmeink** • Swarm Split Learning: A Fully Distributed Machine Learning System for Energy-Constrained IoT systems **Ahmad Ayad, Tim Bauerle, Mahdi Barhoush and Anke Schmeink**		
12:10 - 13:15	**LUNCH Break**		
13:15 - 15:00	FLTA Session 4	Chair: TBA	**Online session 1** Chair: TBA
	• Global Outlier Detection in a Federated Learning Setting with Isolation Forest **Daniele Malpetti and Laura Azzimonti** • Client-Side Adaptation to Concept Drift in Federated Learning **Finn Saile, Julius Thomas, Dominik Kaaser and Stefan Schulte** • MC-PPHFL: Privacy-Preserving Hierarchical Federated Learning with a Secure Multi-Chain Aggregation		• Data Skew in Federated Learning: An Experimental Evaluation on Aggregation Algorithms **Leon Nascimento, Feras Awaysheh and Sadi Alawadi** • Robust Federated Learning via Weighted Median Aggregation **Hibatallah Kabbaj, Rachid El Azouzi and Abdellatif Kobbane** • Evaluating Legal Compliance of Federated Learning Tools for the European Health Data Space (EHDS) **Silvio Xavier, Raimundo Lucas Fernandes Cabral, Ramiro Távora Viana Filho, Thales Mesquita Lopes, Andrei Carvalho Torres Portugal, Antonio Marcos Alves Morais and Marcial Porto Fernandez**

	Safa Á Fallatah, Alexei Lisitsa and Floriana Grasso • Meta-Learning for Federated Face Recognition in Imbalanced Data Regimes **Arwin Gansekoele, Emiel Hess and Sandjai Bhulai**	• Heterogeneous SplitFed: Federated Learning with Trainable and Untrainable Clients **Juliana Do Nascimento Damurie da Silva, Stefan Duffner and Virginie Fresse**
15:00 - 15:30	**Coffee Break & Poster Session 2**	
15:30 - 16:30	Joint panel discussion FL and Cybersecurity	
16:30-18:30	**FL tutorial: FEDn framework**	
19:00 - 21:30	**Gala Dinner**	
Thursday 19 September 2024		
08:00 - 09:00	Onsite registration	
09:00 - 09:10	The 2nd IEEE International Conference on Federated Learning Technologies and Applications (FLTA 2024) Opening & Announcements	
09:10 - 10:10	Keynote Session 4	
10:10 - 10:30	Coffee break	
10:30 - 12:10	FLTA Session 5 — Chair: TBA • Towards Robust Federated Image Classification: An Empirical Study of Weight Selection Strategies in Manufacturing **Vinit Hegiste, Tatjana Legler and Martin Ruskowski** • Privacy-preserving Secure Distributed Computer Vision for malaria cells detection **Irina Arevalo, Jose L. Salmeron and Ian De la Oliva**	**Online session 2** — Chair: TBA • Framework for Federated Learning with Diversified Edge Resource Allocation **Anupam Borthakur, Aditya Kasliwal, Asim Manna, Dipyan Dewan and Debdoot Sheet** • A Layer-Wise Personalization Approach for Transformer-Based Federated Anomaly Detection **Luca Barbieri, Mattia Brambilla and Manuel Roveri** • FL-APU: A Software Architecture to Ease Practical Implementation of Cross-Silo Federated Learning **Fabian Stricker, José Antonio Peregrina Pérez, David Bermbach and Christian Zirpins**

	• Lessons Learned from Deploying Federated Computing Nodes in Cross-Silo Healthcare Settings: Case Studies from the Cancer Registry of Norway **Narasimha Raghavan Veeraragavan, Steinar Auensen, Daan Knoors and Jan Franz Nygård** • Towards Federated Learning-based Forecasting of Renewable Energy Production **Viktor Walter, Fabian Stricker, Andreas Wagner and Christian Zirpins** • Bridging AI and Privacy: Federated Learning for Leukemia Diagnosis **Chaima Lhasnaoui, Addi Ait-Mlouk, Tarik Agouti and Mohammed Sadgal**	• Towards Efficient Belt Conveyor Maintenance: Leveraging Federated Learning **Hamza Safri, Mohamed Mehdi Kandi and Youssef Miloudi**
12:10 - 13:15	**LUNCH Break**	
13:15 - 14:15	Keynote Session 5	
14:15 - 14:30	**Coffee Break & Poster Session 3**	
14:30 - 16:00	FLTA Session 6 — Chair: TBA • **Federated Learning panel discussion and future directions**	**Online session 3** — Chair: TBA • FedAD-Bench: A Unified Benchmark for Federated Unsupervised Anomaly Detection in Tabular Data **Ahmed Anwar, Brian Moser, Dayananda Herurkar, Federico Raue, Vinit Hegiste, Tatjana Legler and Andreas Dengel** • Balancing Privacy and Performance for Private Federated Learning Algorithms **Xiangjian Hou, Sarit Khirirat, Mohammad Yaqub and Samuel Horvath** • FedPoll: A Novel Robustness and Communication-Efficient Aggregation Method **Hamidreza Mehrabian and Akash Kumar**
16:00 - 18:00	**FL tutorial: FLOWER Framework**	
18:00 - 18:15	**Closing Ceremony**	

Posters
1. Synthetic Monoclass Teachers Distillation in the Edge using Federated Learning Approach **Cédric Maron, Virginie Fresse and Avigaël Ohayon** 2. Aggregating Low-Rank Adapters in Federated Fine-tuning **Evelyn Trautmann, Ian Hales and Martin Volk** 3. Flotta: a Secure and Flexible Spark-inspired Federated Learning Framework **Claudio Bonesana, Daniele Malpetti, Sandra Mitrović, Francesca Mangili and Laura Azzimonti** 4. On Evaluation of AutoML over a Federated Learning Environment **Marcial Fernandez, Tiago Linhares, Silvio Gonçalves, Raimundo Lucas, Ramiro Viana, Thales Lopes, Andrei Portugal and Marcos Morais** 5. FedNAS: A Distributed Neural Architecture Search **Tamai Ramírez-Gordillo, Higinio Mora, Francisco A. Pujol and Antonio Maciá-Lillo** 6. Conceptual Model Drift Detection in Federated Learning: Towards Adaptive and Continual Federated Learning 7. Interoperable Federated Learning: Enabling Cross-Framework Communication and Client-Side LLM Training