

Swe-CTW 2023 and Wireless Future Symposium: Detailed program

Wednesday, September 27 (Networking and Best Paper Presentations)

Time	Session
12:30-13:00	<i>Registration</i>
13:00-13:30	Opening speech "What is the role of academia in communication research?", Emil Björnson
13:30-14:30	Invited talks (20 min each)
	"Federated Learning Using Three-Operator ADMM", Shashi Kant; José Mairton B. da Silva; Gabor Fodor; Bo Göransson; Mats Bengtsson; Carlo Fischione
	"On Topology Optimization and Routing in Integrated Access and Backhaul Networks: A Genetic Algorithm-Based Approach", Charitha Madapatha; Behrooz Makki; Ajmal Muhammad; Erik Dahlman; Mohamed-Slim Alouini; Tommy Svensson
	"MMSE-Optimal Sequential Processing for Cell-Free Massive MIMO With Radio Stripes", Zakir Hussain Shaik; Emil Björnson; Erik G. Larsson
14:30-15:15	<i>Poster session A and fika</i>
15:15-16:15	Invited talks (20 min each)
	"DeepDefrag: A deep reinforcement learning framework for spectrum defragmentation", Ehsan Etezadi; Carlos Natalino; Renzo Diaz; Anders Lindgren; Stefan Melin; Lena Wosinska; Paolo Monti; Marija Furdek
	"A-LAQ: Adaptive Lazily Aggregated Quantized Gradient", Afsaneh Mahmoudi; José Mairton Barros Da Silva Júnior; Hossein S. Ghadikolaei; Carlo Fischione
	"Sequential Detection and Estimation of Multipath Channel Parameters Using Belief Propagation", Xuhong Li; Erik Leitinger; Alexander Venus; Fredrik Tufvesson
16:15-17:00	<i>Poster session B</i>
17:00-18:20	Invited talks (20 min each)

	"Unbiased Over-the-Air Computation via Retransmissions", Henrik Hellström; Viktoria Fodor; Carlo Fischione
	"Cell-Free Data Power Control Via Scalable Multi-Objective Bayesian Optimisation", Sergey S. Tambovskiy; Gábor Fodor; Hugo Tullberg
	"A Computationally Efficient EK-PMBM Filter for Bistatic mmWave Radio SLAM", Yu Ge; Ossi Kalliokallio; Hyowon Kim; Fan Jiang; Jukka Talvitie; Mikko Valkama; Lennart Svensson; Sunwoo Kim; Henk Wymeersch
	"Optimal MIMO Combining for Blind Federated Edge Learning with Gradient Sparsification", Ema Becirovic; Zheng Chen; Erik G. Larsson
18:20-19:45	<i>Dinner in Kista galleria (at your own expense)</i>
19:45-21:00	Bowling at O'Learys Kista (Included but maximum 60 people, sign up required)

Thursday, September 28 (Wireless Future Symposium)

Time	Session
08:30-09:00	<i>Registration</i>
09:00-09:15	Welcome to the Wireless Future symposium, Emil Björnson
09:15-10:10	Keynote 1: Generative AI for Wireless Communication, Deniz Gunduz
10:10-10:40	<i>Coffee break (in the poster area)</i>
10:40-11:35	Keynote 2: Remote IoT nodes: in need of a flying doctor?, Liesbet Van Der Perre
11:35-12:30	Keynote 3: Radio localization and sensing, Henk Wymeersch
12:30-13:30	<i>Lunch: Restaurant Provence (included)</i>
13:30-14:25	Keynote 4: Channel modeling for 6G, Fredrik Tufvesson
14:25-15:20	Keynote 5: Differentiable Tools for Digital Twin Networks, Jakob Hoydis
15:20-15:50	<i>Afternoon fika (in the poster area)</i>
15:50-16:45	Keynote 6: Holographic MIMO Communications, Luca Sanguinetti
16:45-17:00	<i>Leg stretcher</i>
17:00-18:00	Wireless Future Live Podcast, Erik G. Larsson and Emil Björnson with guests
18:30-21:00	<i>Dinner: Restaurant Provence (if you registered for it)</i>