

Date	Time	Duration	Topic	Owner & Responsible
Day #1: Sep 5	08:30 – 09:00	30 min	Registration	Elaine Chai / Mingsu Xu
	09:00 – 09:15	15 min	Workshop Introduction	Peter Lundin
	09:15 – 09:40	25 min	Mobile Network Evolution	Huawei Management
	09:40 – 09:50	10 min	Next Step Massive MIMO	Björn Sihlbom
	09:50 – 10:20	30 min	Wide Band Communication Architectures: Ultra Wide Band Phased Arrays vs. Fixed Beams-High Frequency Lenses	Professor Andrea Neto
	10:20 – 10:50	30 min	Coffee Break	
	10:50 – 11:20	30 min	On the Effects of Mutual Coupling in Holographic MIMO	Professor Luca Sanguinetti
Next Step Massive MIMO	11:20 – 11:50	30 min	Dense User-Centric RAN: Enhancing the Capacity-Energy Efficiency Trade-Off in 6G	Professor Dr. Ing. Habil. Sławomir Stańczak
	11:50 – 12:20	30 min	How to Reduce Energy Consumption in Wireless Networks? Towards an Information Theory of Energy-Saving Techniques in Radio Access Networks	Professor François Rottenberg
	12:20 – 14:00	1 hr 40 min	Lunch	
	14:00 – 14:30	30 min	Massive Spatial Multiplexing in 6G: What Kind of Antenna Arrays are Needed?	Professor Emil Björnson
	14:30 – 15:00	30 min	Q&A, Thoughts & Reflections	Moderator: Björn Sihlbom
	15:00 – 15:30	30 min	Coffee Break	
	15:30 – 15:40	10 min	Network Evolution	Johan Von Perner
Network Evolution	15:40 – 16:10	30 min	Sustainable AI in 6G Networks	Dr. Jordi Serra
	16:10 – 16:40	30 min	Unlocking AI/ML for Wireless Networks: Enhancing Connectivity, Performance, and Innovations for Verticals	Professor Mikael Gidlund
	16:40 – 17:10	30 min	Reflections on the Upcoming WRC-23, from a Swedish Point of View	Jeanette Wännström & Tor Eriksson
	17:10 – 17:40	30 min	Q&A, Thoughts & Reflections	Moderator: Johan Von Perner
	17:40 – 17:50	10 min	Summary of Day 1	Peter Lundin
	18:00 – 20:00	2 hr	Dinner	

Date	Time	Duration	Topic	Owner & Responsible
Day #2: Sep 6	08:30 – 08:35	5 min	Day 2 Kick-Off	Peter Lundin
	08:35 – 08:45	10 min	Computational Efficiency	Gunnar Petters / Tommy Deng
	08:45 – 09:25	40 min	Computational Building Blocks in Numerical Solution Methods, HPC Impact	Professor Maya Neytcheva
	09:25 – 10:05	40 min	Programming Models and Abstractions for Computational Efficiency	Professor Jeronimo Castrillon
	10:05 – 10:35	30 min	Coffee Break	
	10:35 – 11:15	40 min	TBC	Professor Jörg Conradt
	11:15 – 11:55	40 min	Re-thinking Physical Layer Processing. Time for a Change?	Dr. Konstantinos Nikitopoulos
	11:55 – 12:15	20 min	Q&A, Thoughts & Reflections	Moderator: Gunnar Petters / Tommy Deng
	12:15 – 13:45	1 hr 30 min	Lunch	
	Harmonized Communication & Sensing	13:45 – 13:55	10 min	Harmonized Communication & Sensing
13:55 – 14:25		30 min	Unleashing the Power of 5G and 6G Technologies for Localization and Sensing	Professor Gonzalo Seco-Granados
14:25 – 14:55		30 min	Below 6 GHz Integrated Communication and Sensing	Professor Sofie Pollin
14:55 – 15:25		30 min	Coffee Break	
15:25 – 15:55		30 min	On Practical Aspects of Delay-Doppler Domain Waveform Design	Professor Arman Farhang
15:55 – 16:25		30 min	Q&A, Thoughts & Reflections	Moderator: Ulrik Imberg
16:25 – 16:50		25 min	Summary & Closing of FoW 2023	President LiuShaoWei /Peter Lundin