IEEE WCNC 2020 Virtual Conference Program at a Glance

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136 Deep Learning Learning 136 Deep Learning	15:20 - 16:00	access)	communications	modeling	modulation	assisted optimization	Γ3-S4: Localization		T3-S6: Routing		tracking				
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Opening Session (Best Demo Award) 9:05 - 09:40 KNTH-S1: Keynote: A Fresh Look at an Old Problem: Network Utility Maximization - Convergence, Delay, and Complexity KNTH-S2: Keynote: Toward One Network Era: Integrated Terrestrial-Satellite Communication Break T1-S20: Massive MiMO 1 T1-S20: Massive T1-S21: Coding Performance analysis 1 T1-S21: Security MiMO 1 T1-S23: Machine-type (Integrated Terrestrial Satellite Communication Integrated Terrestrial-Satellite Communication Integrated Terrestrial-Satellite Communication T1-S23: Machine-type (Integrated Terrestrial-Satellite Communication Integrated Terrestrial-Satellite Com	09:00 - 09:10 09:10 - 09:50 09:50 - 10:30 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00	T1-S11: Millimeter- wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient		T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG	day, May 27, 21 Room 6 Opening 9 KNWE-51: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2	D20 - Main C Room 7 Ession (WCNC 20 6G - A Step Beyon otte: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2		T4-S6: Edge computing and caching T4-S7: Learning for networks	Room 11	Room 12	Room 13	Room 14
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T1-520: Massive MIMO 1 T1-520: Massive MIMO 1 T1-521: Coding scheme 1 T1-522: Performance analysis 1 T1-525: Scheduling T2-57: Scheduling Vehicle) 1 T1-523: Machine-type Communications T1-524: Polar code analysis 2 T1-525: Performance Implementation Implementat	99:00 - 09:10 99:10 - 09:50 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 16:00 - 17:30 Time (KST) 99:00 - 09:05 99:05 - 09:40	T1-511: Millimeter- wave systems 2 T1-514: Signal processing for millimeter-wave and THz communications T1-517: 5G wireless communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications	Room 4	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room 5	day, May 27, 2\ Room 6 Opening St KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Se k at an Old Problem:	D20 - Main C Room 7 Session (WCNC 20 GG - A Step Beyon otte: Into the Futs Break T3-511: NOMA (Non-orthogonal multiple access) Lunch T3-514: Measurement and Analytics 1 Break T3-517: Measurement and Analytics 2 20 - Main Co Room 7 Session (Best Demo	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 ference Room 8 Award)	T3-S19: SG Room 9 gence, Delay, and C	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10	Room 11 DEMO session			
T1-520: Massive MIMO 1	09:00 - 09:10 09:10 - 09:50 109:50 - 1030 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00 16:00 - 17:30 Time (KST) 09:00 - 09:05 09:05 - 09:40 09:40 - 10:20	T1-511: Millimeter- wave systems 2 T1-514: Signal processing for millimeter-wave and THz communications T1-517: 5G wireless communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications	Room 4	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room 5	day, May 27, 2\ Room 6 Opening St KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Se k at an Old Problem:	D20 - Main C Room 7 Ession (WCNC 20 6G - A Step Beyon oto: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 ssion (Best Demo	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 ference Room 8 Award)	T3-S19: SG Room 9 gence, Delay, and C	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10	Room 11 DEMO session			
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11-523: Machine-type Performance T1-525: Machine-type Performance T1-526: Hardware and languist 2 Implementation T1-529: Machine-type MIMO 2 Scheme 2 Mimo 2	09:00 - 09:10 09:10 - 09:50 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00 16:00 - 17:30 17:00 - 09:05 09:05 - 09:40 09:40 - 10:20	T1-511: Millimeter- wave systems 2 T1-514: Signal processing for millimeter-wave and THz communications T1-517: 5G wireless communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation	T1-S16: Resource management and optimization T1-S19: Energy efficient communications	Room 4	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room 5	day, May 27, 2, Room 6 Opening 9 KNWE-51: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: T3-510: Mobile edge computing 1 T3-513: Mesh, relay, and ad hoc networks T3-516: Mobile edge computing 2 ay, May 28, 20, Room 6 Opening 5c Let at an Old Problem: 1: Toward One Networks	D20 - Main C Room 7 Ession (WCNC 20 6G - A Step Beyon oto: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 ssion (Best Demo	T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2	T3-S19: SG Room 9 gence, Delay, and C	T4-56: Edge computing and caching T4-57: Learning for networks T4-58: Cellular networks and 5G Room 10 omplexity	DEMO session Room 11 T4-S10:	Room 12		
Lunch T1-S23: Machine-type type 4:00-15:30 communications T1-S24: Polar code analysis Z ITI-S25: Performance analysis Z ITI-S26: Hardware and Implementation Implementation Implementation ITI-S26: Hardware and Implementation Implementation ITI-S26: Hardware and Implementation Implementation ITI-S26: Hardware and Implementation ITI-S27: Massive ITI-S28: Coding Scheme 2 ITI-S29: Transceiver design ITI-S28: Coding Scheme 2 ITI-S29: Multi-connectivity ITI-S28: Resource management and optimization 3 ITI-S27: Massive management and optimization 3 ITI-S27: Massive management and optimization 3 ITI-S28: Resource management and optimization	09:00 - 09:10 09:10 - 09:50 109:50 - 1030 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00 16:00 - 17:30 Time (KST) 09:00 - 09:05 09:05 - 09:40 09:40 - 10:20	T1-S11: Millimeter- wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1	T1-512: Multiantenna system T1-515: Networking application T1-518: Signal detection and estimation Room 2	T1-513: Information theory and capacity T1-516: Resource management and optimization T1-519: Energy efficient communications Room 3	Room 4	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room 5	day, May 27, 2 Room 6 Opening 5: KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening 5: Covard One Netwo	D20 - Main Co Room 7 Ession (WCNC 20 6G - A Step Beyon tote: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 Sission (Best Demo Letwork Utility Mr k Era: Integrated Break	onference Room 8 T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 T6-Erence Room 8 Award) Award) Ta-S22: Resource	T3-S19: SG Room 9 gence, Delay, and C	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 omplexity	DEMO session Room 11 T4-S10: Crowdsourc-ing	Room 12		
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4:00-15:30 communications T1-524: Polar code analysis 2 implementation handoff management Protocol optimization 2 power and IoT tions with UAVs T1-529: T1-529: T1-529: Coding scheme 2 T1-529: T	09:00 - 09:10 09:10 - 09:50 109:50 - 1030 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00 16:00 - 17:30 Time (KST) 09:00 - 09:05 09:05 - 09:40 09:40 - 10:20	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3	Room 4	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening 9: KNWE-51: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: T3-510: Mobile edge computing 1 T3-513: Mesh, relay, and ad hoc networks T3-516: Mobile edge computing 2 ay, May 28, 20, Room 6 Room 6 Room 6 T3-520: UAV (Ummanned aerial	D20 - Main C Room 7 Ession (WCNC 20 6G - A Step Beyon tote: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 Ession (Best Demo eletwork Utility Mr k Era: Integrated Break T3-S21: Security and privacy 1 Lunch	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 nference Room 8 Award) awintation - Convery Terrestrial-Satellite 4 T3-S22: Resource management and	T3-S19: SG Room 9 gence, Delay, and C	T4-56: Edge computing and caching T4-57: Learning for networks T4-58: Cellular networks and 5G Room 10 omplexity T4-59: Recognition and	DEMO session Room 11 T4-S10: Crowdsour-cing	Room 12		
Break T1-S27: Massive T1-S28: Coding Transceiver design Transceiver design Transceiver Acceptable Science T1-S29: End of Program TRACK 1: PHY AND FUNDAMENTALS TRACK 2: MAC AND CROSS-LAYER DESIGN TRACK 2: MAC AND CROSS-LAYER DESIGN TRACK 3: WRELESS NETWORKS	09:00 - 09:10 09:10 - 09:10 09:50 - 10:30 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 11:00 - 15:30 15:30 - 16:00 16:00 - 17:30 Time (KST) 09:00 - 09:05 09:05 - 09:40 09:40 - 10:20 10:20 - 10:40	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave signal for mill	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1 T1-S25:	Room 4 KNTH-	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening S KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Se k at an Old Problem: 1 e: Toward One Netwo	D20 - Main C Room 7 Session (WCNC 20 6G - A Step Beyon otte: Into the Futte Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main CO Room 7 Session (Best Demo setwork Utility M rk Era: Integrated Break T3-S21: Security and privacy 1 Lunch T3-S24: Rate Control and	onference Room 8 T3-512: Vehicular network 1 T3-515: Services and applications T3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 1 T3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 1 T3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 1 T3-518: Vehicular network 2 IT3-518: Vehicular network 2 IT3-518: Vehicular network 1 T3-518: Vehicular network 2 IT3-518: Vehicular network 2	T3-S19: SG Room 9 gence, Delay, and C	T4-S6: Edge computing and caching. T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 omplexity T4-S9: Recognition and prediction	Room 11 DEMO session Room 11 T4-S10: Crowdsourc-ing and incentive Mechanism	Room 12		
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T1-S27: Massive T1-S28: Coding Scheme 2 design Transceiver design Transceiver T1-S28: Coding Scheme 2 design Transceiver T1-S29: Multi-Commercial T3-S27: Security and privacy 2 design Transceiver T1-S29: Multi-Commercial T3-S29: Multi-Commercial	09:00 - 09:10 09:10 - 09:10 09:50 - 10:30 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 11:00 - 17:30 15:30 - 16:00 16:00 - 17:30 Time (KST) 09:00 - 09:05 09:05 - 09:40 09:40 - 102:0 10:40 - 12:10 12:10 - 14:00	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MIMO 1 T1-S23: Machine-type	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1	T1-S13: Information theory and capacity T1-S16: Resource management anc optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening St KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Sc k at an Old Problem: 1e: Toward One Netwo T3-S20: UAV (Ummanned aerial vehicle) 1 T3-S23: Mobility and	D20 - Main C Room 7 Roo	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 ference Room 8 Award) Award) T3-S22: Resource management and optimization 1 T3-S25: Resource management and	T3-S19: SG Room 9 gence, Delay, and C	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 T4-S9: Recognition and prediction	PEMO session Room 11 T4-S10: Crowdsourcing and Incentive Mechanism T4-S12: Communica-	Room 12		
6:00 - 17:30 MIMO 2 scheme 2 design vehicle) 2 and privacy 2 optimization 3 connectivity Networks optical wireless Find of Program TRACK 1: PHY AND FUNDAMENTALS TRACK 2: MAC AND CROSS-LAYER DESIGN TRACK 3: WIRELESS NETWORKS	09:00 - 09:10 09:10 - 09:50 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00 16:00 - 17:30 Time (KST) 09:00 - 09:05 09:05 - 09:40 10:20 - 10:40 10:40 - 12:10 10:40 - 12:10 10:40 - 14:00	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MIMO 1 T1-S23: Machine-type	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1	T1-S13: Information theory and capacity T1-S16: Resource management anc optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening St KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Sc k at an Old Problem: 1e: Toward One Netwo T3-S20: UAV (Ummanned aerial vehicle) 1 T3-S23: Mobility and	D20 - Main C Room 7 Roo	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 ference Room 8 Award) Award) T3-S22: Resource management and optimization 1 T3-S25: Resource management and	T3-S19: SG Room 9 gence, Delay, and C	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 T4-S9: Recognition and prediction	PEMO session Room 11 T4-S10: Crowdsourcing and Incentive Mechanism T4-S12: Communica-	Room 12		
End of Program TRACK 1: PHY AND FUNDAMENTALS TRACK 2: MAC AND CROSS LAYER DESIGN TRACK 3: WIRELESS NETWORKS	99:00 - 99:10 99:10 - 99:50 199:50 - 10:30 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 11:00 - 17:30	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MiMO 1 T1-S23: Machine-type communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1 T1-S25: Performance analysis 2	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening S KNWE-51: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: T3-510: Mobile edge computing 1 T3-513: Mesh, relay, and ad hoc networks T3-516: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Se ta an Old Problem: 1: E: Toward One Networks T3-520: UAV (Unmanned aerial vehicle) 1 T3-523: Mobility and handoff management	D20 - Main C Room 7 Session (WCNC 20 6G - A Step Beyon otte: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 O - Main CO Room 7 Session (Best Demo etetwork Utility M te Era: Integrated Break T3-S21: Security and privacy 1 Lunch T3-S24: Rate Control and Transport Protocol Break	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 nference Room 8 Award) aximization - Convery Terrestrial-Satellite (T3-S22: Resource management and optimization 1 T3-S25: Resource management and optimization 2	T3-S19: 5G Room 9 gence, Delay, and Communication	T4-56: Edge computing and caching T4-57: Learning for networks T4-58: Cellular networks and 5G Room 10 omplexity T4-59: Recognition and prediction T4-511: Low power and IoT T4-513: Hybrid	Room 11 T4-S10: Crowdour-ting and Incentions with UAVs T4-S12: Communications with UAVs	Room 12		
TRACK 1: PHY AND FUNDAMENTALS TRACK 2: MAC AND CROSS-LAYER DESIGN TRACK 3: WIRELESS NETWORKS	19:00 - 09:10 19:10 - 09:50 19:50 - 103:00 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 12:30 - 14:00 14:00 - 15:30 16:00 - 17:30	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MIMO 1 T1-S23: Machine-type communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1 T1-S24: Polar code	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1 T1-S25: Performance analysis 2	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening St KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Sc k at an Old Problem: 1: T3-S20: UAV (Unmanned aerial vehicle) 1 T3-S23: Mobility and handoff management	D20 - Main C Room 7 Ession (WCNC 20 6G - A Step Beyon ote: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 Sesion (Best Demo letwork Utility Mrk Era: Integrated Break T3-S21: Security and privacy 1 Lunch T3-S24: Rate Control and Transport Protocol Break T3-S27: Security	Onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 T3-S18: Vehicular network 2 T3-S18: Services and applications T3-S18: Vehicular network 2 T3-S18: Services and applications T3-S18: Services and applications T3-S22: Resource management and optimization 1 T3-S25: Resource management and optimization 2	T3-S19: 5G Room 9 gence, Delay, and Communication T3-S29: Multi-	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 omplexity T4-S9: Recognition and prediction T4-S11: Low power and loT T4-S13: Hybrid Satellite	Room 11 T4-S10: Crowdsourc-ing and Incentive Mechanism T4-S12: Communications with UAVs	Room 12		
TRACK 2: MAC AND CROSS-LAYER DESIGN TRACK 3: WIRELESS NETWORKS	19:00 - 09:10 19:10 - 09:50 19:50 - 103:00 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 12:30 - 14:00 14:00 - 15:30 16:00 - 17:30	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MIMO 1 T1-S23: Machine-type communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1 T1-S24: Polar code	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1 T1-S25: Performance analysis 2	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening 5: KNWE-51: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: T3-510: Mobile edge computing 1 T3-513: Mesh, relay, and ad hoc networks T3-516: Mobile edge computing 2 ay, May 28, 20 Room 6 T3-516: Mobile edge computing 2 ay, May 28, 20 Room 6 T3-526: UAV (Ummanned aerial vehicle) 1 T3-526: UAV (Ummanned aerial vehicle) 2	D20 - Main C Room 7 Session (WCNC 20 6G - A Step Beyon otte: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 Room 7 Session (Best Demo tectwork Utility Me te Tars. 121: Security and privacy 1 Lunch T3-S24: Rate Control and Transport Protocol Break T3-S27: Security and privacy 2 T3-S27: Security and privacy 2 T3-S27: Security and privacy 3 T3-S27: Security and privacy 3 T3-S27: Security and privacy 3	Onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 T3-S18: Vehicular network 2 T3-S18: Services and applications T3-S18: Vehicular network 2 T3-S18: Services and applications T3-S18: Services and applications T3-S22: Resource management and optimization 1 T3-S25: Resource management and optimization 2	T3-S19: 5G Room 9 gence, Delay, and Communication T3-S29: Multi-	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 omplexity T4-S9: Recognition and prediction T4-S11: Low power and loT T4-S13: Hybrid Satellite	Room 11 T4-S10: Crowdsourc-ing and Incentive Mechanism T4-S12: Communications with UAVs	Room 12		
	9:00 - 09:10 9:10 - 09:50 9:10 - 09:50 9:50 - 10:30 0:30 - 11:00 1:00 - 12:30 2:30 - 14:00 4:00 - 15:30 5:30 - 16:00 Time (KST) 9:00 - 09:05 9:00 - 09:05 9:00 - 10:40 0:40 - 12:10 2:10 - 14:00 4:00 - 15:30 5:30 - 16:00	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MIMO 1 T1-S23: Machine-type communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1 T1-S24: Polar code	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1 T1-S25: Performance analysis 2	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening S KNWE-S1: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: KNWE-S2: Keynote: T3-S10: Mobile edge computing 1 T3-S13: Mesh, relay, and ad hoc networks T3-S16: Mobile edge computing 2 ay, May 28, 20 Room 6 Opening Se k at an Old Problem: 1 T3-S20: UAV (Unmanned aerial vehicle) 1 T3-S23: Mobility and handoff management T3-S26: UAV (Unmanned aerial vehicle) 2 End of P	D20 - Main C Room 7 Session (WCNC 20 6G - A Step Beyon tote: Into the Futt Break T3-S11: NOMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main CO Room 7 Session (Best Demo tetwork Utility M tc Era: Integrated Break T3-S21: Security and privacy 1 Lunch T3-S24: Rate Control and Transport Protocol Break	Onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 T3-S18: Vehicular network 2 T3-S18: Services and applications T3-S18: Vehicular network 2 T3-S18: Services and applications T3-S18: Services and applications T3-S22: Resource management and optimization 1 T3-S25: Resource management and optimization 2	T3-S19: 5G Room 9 gence, Delay, and Communication T3-S29: Multi-	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 omplexity T4-S9: Recognition and prediction T4-S11: Low power and loT T4-S13: Hybrid Satellite	Room 11 T4-S10: Crowdsourc-ing and Incentive Mechanism T4-S12: Communications with UAVs	Room 12		
	19:00 - 09:10 19:10 - 09:50 19:50 - 10:30 10:30 - 11:00 11:00 - 12:30 12:30 - 14:00 14:00 - 15:30 15:30 - 16:00 16:00 - 17:30 17 - 17:30 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -	T1-S11: Millimeter-wave systems 2 T1-S14: Signal processing for millimeter-wave and THz communications T1-S17: 5G wireless communications Room 1 T1-S20: Massive MIMO 1 T1-S23: Machine-type communications	T1-S12: Multiantenna system T1-S15: Networking application T1-S18: Signal detection and estimation Room 2 T1-S21: Coding scheme 1 T1-S24: Polar code	T1-S13: Information theory and capacity T1-S16: Resource management and optimization T1-S19: Energy efficient communications Room 3 T1-S22: Performance analysis 1 T1-S25: Performance analysis 2	Room 4 KNTH-: T1-S26: Hardware and	T2-S4: Resource allocation T2-S5: Cross-layer MAC design T2-S6: Wireless MAC for SG Thursd Room S 51: Keynote: A Fresh Loo KNTH-S2: Keynote	day, May 27, 2 Room 6 Opening 9 KNWE-51: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: KNWE-52: Keynote: T3-510: Mobile edge computing 1 T3-513: Mesh, relay, and ad hoc networks T3-516: Mobile edge computing 2 ay, May 28, 20, Room 6 T3-516: Mobile edge computing 2 ay, May 28, 20, Room 6 T3-526: UAV (Unmanned aerial vehicle) 1 T3-526: UAV (Unmanned aerial vehicle) 2 End of F TRACK 1: PMF AND TRACK 2: MAC AND C	D20 - Main C Room 7 Session (WCNC 20 6G - A Step Beyon otte: Into the Futt Break T3-S11: NoMA (Non-orthogonal multiple access) Lunch T3-S14: Measurement and Analytics 1 Break T3-S17: Measurement and Analytics 2 20 - Main Co Room 7 Session (Best Demo elever to Utility M rk Era: Integrated Break T3-S21: Security and privacy 1 Lunch T3-S24: Rate Control and Transport Protocol Break T3-S27: Security and privacy 2 T0-STATE STATE STA	onference Room 8 21 AD) ad Stretching 5G re Wireless T3-S12: Vehicular network 1 T3-S15: Services and applications T3-S18: Vehicular network 2 ference Room 8 Award) Award) Award) T3-S22: Resource management and optimization 1 T3-S25: Resource management and optimization 2	T3-S19: 5G Room 9 gence, Delay, and Communication T3-S29: Multi-	T4-S6: Edge computing and caching T4-S7: Learning for networks T4-S8: Cellular networks and 5G Room 10 Omplexity T4-S9: Recognition and prediction T4-S11: Low power and loT T4-S13: Hybrid Satellite	Room 11 T4-S10: Crowdsourc-ing and Incentive Mechanism T4-S12: Communications with UAVs	Room 12		

TRACK 4: EMERGING TECHNOLOGIES, ARCHITECTURES AND SERVICES