KUN LI

Associate Professor, The University of Electro-Communications, Japan
Address: 1-5-1 Chofugaoka, Chofu-shi, Tokyo 182-8585, Japan
E-mail: li.kun@awcc.uec.ac.jp, Tel: +81-42-443-5870

EDUCATION & EXPERIENCE

Associate Professor, Advanced Wireless and Communication Research Center (AWCC), The University of Electro-Communications, Japan *since Apr. 2023*

Visiting Researcher, eWAVES Team, CNRS/IETR, University of Rennes 1, France *Mar. 2022 to Mar. 2023*

Assistant Professor, Faculty of Engineering and Design, Kagawa University, Japan *Jan. 2020 to Mar. 2023*

Researcher, Electromagnetic Compatibility Laboratory, National Institute of Information and Communications Technology (NICT), Japan *Apr. 2017 to Dec. 2019*

Ph.D in Electrical and Electronic Engineering, University of Toyama, Japan *Mar. 2017*

B.S. in Communication Engineering, Nanjing University of Posts and Telecommunications, China *Jul. 2011*

RESEARCH BACKGROUND

My current research interests include over-the-air testing, MIMO, body area networks, and RF-EMF exposure. I received the Outstanding Associate Editor Award from IEEE Antennas and Wireless Propagation Letters in 2025, where I served as an Associate/Guest Editor. I was the recipient of the URSI Young Scientist Award in 2020, the Risaburo Sato Award of EMC Sapporo & AMPEC in 2019, the IEEE AP-S Japan Student Award in 2015, and the IEICE Best Letter Award in 2017.

I have served as a reviewer for numerous IEEE journals, including IEEE Transactions on Antennas and Propagation, IEEE Transactions on Electromagnetic Compatibility, IEEE Transactions on Microwave Theory and Techniques, IEEE Transactions on Instrumentation and Measurement, IEEE Access, IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, as well as other journals such as Bioelectromagnetics, Frontiers in Public Health, Scientific Reports, Optics Express, IET Microwaves, Antennas & Propagation, and IEICE Transactions on Communications. I currently serve as the Early Career Representative of URSI Commission K and as the Co-Chair of a Working Group under Subcommittee 6 of the IEEE International Committee on Electromagnetic Safety (ICES) TC-95. I am a Senior Member of URSI and a Member of IEICE.

HONORS

Outstanding Contribution Award, IEICE ICETC 2025, Nov. 2025.
Outstanding Associate Editor Award, IEEE Antennas and Wireless Propagation Letters, 2025.
Young Scientists Award, URSI GASS 2020, Aug. 2020.

The Risaburo Sato Award, EMC Sapporo & APEMC 2019, Jun. 2019.

IEICE Best Letter Award, May. 2017.

IEEE International Conference Presentation Awards, IEEE Nagoya Section, Mar. 2016.

IEEE AP-S Japan Student Award, IEEE AP-S Tokyo Chapter, Dec. 2015.

LIST OF PUBLICATION

Journal Paper

[1] **K. Li**, S. Kodera, D. Poljak, A. Prokop, Y. Diao, S. Zhang, M. Yao, C. Li, T. Wu, T. Liebig, W. Simon, M. Škiljo, and A. Hirata, "Intercomparisons of Computed Epithelial/Absorbed Power Density and Temperature Rise in Anatomical Human Face Models under Localized Exposures at 10 GHz and 30 GHz", *Phys. Med. Biol.*, vol. 71, no. 1, pp. 01NT02, Dec. 2025.

[2] A. Hirata, I. Laakso, F. Apollonio, S. Kodera, Y. Kubota, J. Lan, **K. Li**, M. Liberti, M. Zhadobov, D. Poljak, K. Sasaki, and Y. Diao, "Model Variability in Assessment of Human Exposure to Radio-Frequency Fields," *IEEE J. Microw.*, Nov. 2025. (Early Access, DOI: 10.1109/JMW.2025.3628902)

[3] Z. Wang, W. Fan, X. Shang, L. Foged, B. Derat, and **K. Li**, "Guest Editorial: Special Cluster on Measurement and Metrology Theory and Technologies for Future 6G Wireless," *IEEE Antennas and Wireless Propaga. Lett.*, vol. 24, no. 11, pp. 3876-3879, Nov. 2025.

[4] H. Xu, **K. Li**, X. Wang, Y. Sekino, K. Honda, and G. Lu, "Beyond 20 Bits/s/Hz Channel Capacity Realization with Compact MIMO Antennas for Human-Centric IoT Devices", *IEEE Internet Things J.*, vol. 12, no. 11, pp. 15807-15817, Jun. 2025.

[5] E. Ijima, A. Nagai, **K. Li**, T. Hikage, N. Kamizawa, E. Hidaka, Y. Tsuruta, T. Ishitake, and H. Masuda, "Histological and Inflammatory Effects of 26.5 GHz Millimeter-Wave Exposure on Rat Skin," *Frontiers Public Health*, vol. 13, Art. no. 1580155, Jun. 2025.

[6] Y. Gu, J. Huang, R. Shi, T. Xie, **K. Li**, and X. Wang, "SAR Evaluation of MIMO Antennas With a Wide Tunable Range Power Divider", *Sci. Rep.*, vol. 15, Apr. 2025, Art. no. 11895.

[7] Y. Diao, W. Joseph, D. Poljak, L.a Giaccone, S. Kodera, I. Laakso, K. Yamazaki, **K. Li**, K. Sasaki, E. Tanghe, M. Cvetković, W. E. Hajj, T. Hikage, F. Kaburcuk, G. Schmid, A. Nejašmić, T. Tarnaud, V. Anderson, K. R. Foster, N. Kuster, T. Samaras, R. A. Tell, S. Watanabe, C-K. Chou, and A. Hirata, "Recent advances and future perspective in computational bioelectromagnetics for exposure assessments," *Bioelectromagnetics*, vol. 46, no. 3, e0002, Apr. 2025.

[8] C. Li, H. Xu, **K. Li**, X. Wang, and G. Lu, "A Novel Method for Evaluating 5G Handset Array Antenna Exposure Applied to Irregular Human Body Models," *IEEE Trans. Antennas Propag.*, vol. 73, no. 1, pp. 677-682, Jan. 2025.

[9] S. Tsuruga, T. Hikage, H. Masuda, T. Ishitake, **K. Li**, and A. Nagai, "Novel 60 GHz Band Spatial Synthetic Exposure System for Investigating Thermal Physiological Responses to Simultaneous Localized Millimeter-Wave Exposure at Multiple Skin Points," *URSI Radio Science Letters*, vol. 6, 2024.

[10] M. Yao, Z. Wei, **K. Li**, S. Zhang, and G. Pedersen, "Prediction of Electromagnetic Field Exposure at 20–100 GHz for Clothed Human Body Using An Adaptively Reconfigurable Architecture Neural Network with Weight-Analysis (RAWA-NN) Framework," *IEEE Trans. Antennas Propag.*, vol. 72, no. 12, pp. 9286-9300, Dec. 2024.

[11] Y. Diao, S. Kodera, **K. Li**, and A. Hirata, "Assessment of Whole-Body-Average SAR for Exposure to Electromagnetic Fields up to 30 GHz Using Body Model with Scaled Dielectric Parameters," *IEEE Tran. Electromagn. Compat.*, vol. 66, no. 5, pp. 1351-1360, Jul. 2024.

[12] C. Xu, X. Wang, L. Zhu, W. Sun, **K. Li**, G. Milinevsky, and G. Lu, "A wideband dual-band bandstop filter with independent control of stopband rejection, bandwidth and center frequency ratio," *IET Microw. Antenna Propag.*, vol. 18, no. 5, pp. 308-316, May. 2024.

[13] **K. Li**, S. Kodera, D. Poljak, Y. Diao, K. Sasaki, S. Zhang, M. Yao, A. Kapetanovic, C. Li, T. Wu, T. Liebig, W. Simon, and A. Hirata, "Spatially Averaged Epithelial/Absorbed Power

Density for Non-Planar Skin Models Exposed to Antenna at 10–90 GHz, " *IEEE Access*, vol. 12, pp. 15379-15389, Jan. 2024.

[14] **K. Li**, K. Sasaki, G. Sacco, and M. Zhadobov, " Clothing Effects on Multilayered Skin Exposure to Millimeter Waves from 20 GHz to 100 GHz, " *IEEE J. Electromagn., RF Microw. Med. Biol.*, vol. 7, no. 4, pp. 408-415, Dec. 2023.

[15] **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, " Parameter variation effects on millimeter wave dosimetry based on precise skin thickness in real rats, " *Sci. Rep.*, vol. 13, Oct. 2023, Art. no. 17397.

[16] M. Yao, S. S. Zhekov, B. Xu, **K. Li**, and S. Zhang, " A Study on Exposure to Electromagnetic Fields From User Equipment Antennas above 100 GHz, " *IEEE Tran. Electromagn. Compat.*, vol. 65, no. 5, pp. 1292-1299, Oct. 2023.

[17] S. Yang, X. Wang, L. Zhu, X. Gao, **K. Li**, V. Shulga, and G. Lu, " A Novel Ring Type Power Divider With Arbitrary Power Division, Arbitrary Phase Difference and Controllable Bandwidths", *AEU Int. J. Electron. Commun.*, vol. 170, no. 7, pp. 154773, Oct. 2023.

[18] E. Ijima, **K. Li**i, T. Hikage, A. Nagai, M. Yasutaka, A. Takuji, I. Tatsuya, and H. Masuda, " Intensity-dependent temperature rise induced by local exposure to 26.5 GHz quasi-millimeter-wave in rat, " *in vivo*, vol. 37, no. 5, pp. 2092-2099, Sep. 2023.

[19] **K. Li**, S. Kodera, D. Poljak, Y. Diao, K. Sasaki, A. Susnjara, A. Prokop, K. Taguchi, J. Xi, S. Zhang, M. Yao, G. Sacco, M. Zhadobov, W. E. Hajj, and A. Hirata, " Calculated Epitherial/Absorbed Power Density for Exposure from Antennas at 10−90 GHz: Intercomparison Study using Planar Skin Model ", *IEEE Access*, vol. 11, pp. 7420-7435, Jan. 2023.

[20] Z. Sun, X. Wang, and **K. Li**, " A Switchable Bandpass Filter for Broadband, Dual-Band and Tri-Band Operations, " *IEEE Trans. Circuits Syst. II Express Briefs*, vol. 70, no. 1, pp. 111-115, Aug. 2022.

[21] **K. Li**, "Multivariate Regression Analysis of Skin Temperature Rises for Millimeter-Wave Dosimetry ", *IEEE Trans. Electromagn. Compat.*, vol. 64, no. 4, pp.941-950, Aug. 2022.

[22] T. Xie, R. Shi, S. Wang, X. Wang, K. Honda, **K. Li**, and G. Lu, " 2-Way Power Divider With Wide Tunable Power Ratio Range for Weighted-Polarization MIMO Antenna in BAN Radios at 2.45 GHz ", *IEEE Antennas and Wireless Propaga. Lett.*, vol. 21, no. 7, pp. 1333-1337, Jul. 2022.

[23] T. Wu, R. Peng, L. Zhang, and **K. Li**, " Editorial: Human Exposure to New-Emerging Electric, Magnetic and Electromagnetic Fields, " *Frontiers Public Health*, vol. 10, Art. no. 894624, Apr. 2022.

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[25] **K. Li**, Y. Diao, K. Sasaki, A. Prokop, D. Poljak, V. Doric, J. Xi, S. Kodera, A. Hirata, and W. E. Hajj, "Intercomparison of Calculated Incident Power Density and Temperature Rise for Exposure from Different Antennas at 10-90 GHz ", *IEEE Access*, vol. 9, pp. 151654-151666, Nov. 2021.

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[27] Y. Diao, **K. Li**, K. Sasaki, K. Sachiko, I. Laakso, W. El Hajj, and A. Hirata, " Effect of Incidence Angle on the Incident Power Density Definition to Correlate Skin Temperature Rise for Millimeter Wave Exposures", *IEEE Trans. Electromagn. Compat.*, vol. 63, no. 5, pp. 1709-1716, Aug. 2021.

[28] D. T. Le, **K. Li**, S. Watanabe, T. Onishi, and Y. Karasawa " K-Order Estimation Technique for Determining the Maximum Electric Fields of Multiple-Antenna Transmitters in Compliance Tests, " *IEEE Trans. Antennas Propag.*, vol. 67, no. 8, pp.5602-5613, May. 2019.

[29] **K. Li**, K. Sasaki, S. Watanabe, and H. Shirai, "Relationship between power density and surface temperature elevation for human skin exposure to electromagnetic waves with oblique incidence angle from 6 GHz to 1 THz," *Phys. Med. Biol.*, vol. 64, no. 6, pp. 065016, Mar. 2019.

[30] K. Sasaki, **K. Li**, J. Chakarothai, T. Iyama, T. Onishi, and S. Watanabe, "Error Analysis of a Near-Field Reconstruction Technique Based on Plane Wave Spectrum Expansion for Power Density Assessment above 6 GHz," *IEEE Access*, vol. 7, pp. 11591-11598, Jan. 2019.

[31] H. Kirino, K. Honda, **K. Li**, and K. Ogawa, "A Waffle-Iron Ridge Guide with Combined Fast- and Slow-Wave Modes for Array Antenna Applications," *IEICE Trans. Commun.*, Vol. E101-B., No. 2, pp. 349-356, Feb. 2018.

[32] T. Maekawa, K. Honda, **K. Li**, and K. Ogawa: "A Method of Reducing the Internal Interference Noise in Intra-EMC using Decoupling Techniques", *IEICE*, Vol. J100-B, No. 8, pp. 575-579, Aug. 2017. (in Japanese)

[33] **K. Li**, K. Honda, and K. Ogawa, "Dual-Discrete Processing for Bit-Error-Rate OTA Testing in Shadowing-Fading BAN Channel," *IEEE Antennas and Wireless Propaga. Lett.*, vol. 16, pp. 1200-1204, 2017.

[34] H. Kirino, K. Honda, **K. Li**, and K. Ogawa, "A Phase Shifter using Waffle-iron Ridge Guides and its Application to a Beam Steering Antenna," *IEICE Commun. Express*, Vol. 6, No. 5, pp. 188-193, May. 2017.

[35] K. Omote, K. Honda and **K. Li**, "Decoupling stub-loaded parallel dipole array with orthogonal polarization," *IEICE Commun. Express*, Vol. 6, No. 2, pp. 97-102, Feb. 2017.

[36] K. Honda, T. Kitamura, **K. Li**, and K. Ogawa, "Regression-Based Channel Capacity for the Evaluation of 2 x 2 MIMO Antennas," *IEICE Trans. Commun.*, Vol. E100-B, No. 2, pp. 323-335, Feb. 2017.

[37] H. Kirino, K. Honda, **K. Li**, and K. Ogawa, "Wavelength Analysis Using Equivalent Circuits in a Fast and Slow Wave Waffle-Iron Ridge Guide," *IEICE Trans. Commun.*, Vol. E100-B., No. 2, pp. 219-226, Feb. 2017.

[38] K. Honda and **K. Li**, "Three-dimensional MIMO-OTA calibration to achieve the Gaussian angular power spectra in elevation," *IEICE Commun. Express*, Vol. 5, No. 10, pp. 394-400, Oct. 2016.

[39] K. Honda and **K. Li**, "A method of controlling the base station correlation for MIMO-OTA based on Jakes model," *IEICE Commun. Express*, Vol. 5, No. 9, pp. 297-302, Sep. 2016.

[40] K. Honda, and **K. Li**, "Optimum phase shift applied to weighted-polarization MIMO antenna in various use scenarios," *IEICE Commun. Express*, Vol. 5, No. 8, pp. 266-271, Aug. 2016.

[41] K. Honda, T. Yamashita, and **K. Li**,, "High efficiency mw-band dielectric resonator rectenna using distributed capacitors," *IEICE Commun. Express*, Vol. 5, No. 8, pp. 254-259, Aug. 2016.

[42] **K. Li**, K. Honda, and K. Ogawa, "An Analysis of the Body Proximity Cross-Polarization Power Ratio in a Human Walking Motion," *IEICE*, Vol. J99-B, No. 7, pp. 544-547, Jul. 2016. (in Japanese)

[43] **K. Li**, K. Honda, and K. Ogawa, "Weighted-polarization wearable antenna for on-body dynamic channels," *IEICE Commun. Express*, Vol. 5, No. 6, pp. 189-194, Jun. 2016.

[44] K. Honda, **K. Li**, and K. Ogawa, "Weighted-Polarization Wearable MIMO Antenna with Three Orthogonally Arranged Dipoles Based on RF Signal Processing," *IEICE Trans. Commun.*, Vol. E99-B, No.1, pp. 58-68, Jan. 2016.

[45] **K. Li**,, K. Honda, and K. Ogawa, "Three-Dimensional Over-The-Air Assessment for Vertically Arranged MIMO Array Antennas," *IEICE Trans. Commun.*, Vol. E99-B, No.1, pp. 167-176, Jan. 2016.

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[47] **K. Li**,, K. Honda, and K. Ogawa, "Rice Channel Realization for BAN Over-The-Air Testing Using a Fading Emulator with an Arm-Swinging Dynamic Phantom," *IEICE Trans. Commun.*, Vol. E98-B, No. 4, pp. 543-553, Apr. 2015.

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International Conference

[1] C. Li, and **K. Li**, "RF-EMF and EIRP Trade-Off in 6G Handset MultiAntenna Systems at FR1 and FR3 Bands," EuCAP 2026, Session **, Dublin, Ireland, Apr. 2025. (to be presented)

[2] H. Xu, and **K. Li**, "Sionna Ray-Tracing-Driven Analysis of RF-EMF and MIMO Channel Capacity in FR3 mmWave LOS Scenarios," EuCAP 2026, Session **, Dublin, Ireland, Apr. 2025. (to be presented)

[3] M. Yao, G. Pedersen, **K. Li**, and S. Zhang, "A Comparison of EMF Exposure Prediction in mmWave to sub-THz Using XGBoost with SHAP and Deep Feedforward Neural Networks," EuCAP 2026, Session **, Dublin, Ireland, Apr. 2025. (to be presented)

[4] M. Li, Y. He, **K. Li**, T. Aoyagi, and I. Balasingham, "Inductive Coupling Wireless Power Transfer for Implantable Devices: Impact of Eddy Current," EuCAP 2026, Session **, Dublin, Ireland, Apr. 2025. (to be presented)

[5] F. Nonaka, T. Ishitake, A. Nagai, T. Hikage, **K. Li**, and H. Masuda, "Age- and sex-related differences in skin temperature response to 60 GHz millimeter-wave exposure in humans," IEEE ICETC 2025, P1-28, Osaka, Nov. 2025.

[6] N.i Kamizawa, N. Terada, T. Ishitake, A. Nagai, T. Hikage, **K. Li**, and H. Masuda, "Localized 60 GHz exposure induces skin necrosis without Iba1 expression in rat dorsal tissue," IEEE ICETC 2025, P1-26, Osaka, Nov. 2025.

[7] Y. Tsuruta, T. Ishitake, A. Nagai, T. Hikage, **K. Li**, and H. Masuda, "Mast cell degranulation induced by local exposure to 60 GHz millimeter waves in rat skin," IEEE ICETC 2025, P1-24, Osaka, Nov. 2025.

[8] Z. Zhou, **K. Li**, and K. Honda, "BER Enhancement of Maximum Acceptable Power under SAR Constraints for Implanted Biomedical Telemetry," IEEE ICETC 2025, P1-21, Osaka, Nov. 2025.

[9] Y. Ueda, **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "Averaging of Absorbed Power Density for Forearm Skin Exposure at Millimeter-Wave Frequencies," IEEE ICETC 2025, P1-20, Osaka, Nov. 2025.

[10] H. Utsushigawa, Y. Ueda, **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "Weibull Distribution-Based Approximation of Skin Temperature Rise Due to MMW Beam Exposure," IEEE ICETC 2025, P1-18, Osaka, Nov. 2025.

[11] **K. Li**, "Channel Capacity Analysis for Cell-free Massive MIMO System", PIERS 2025, PIERS Proceedings, 3P2a, Chiba, Japan, Nov. 2025.

[12] Y. Oda, H. Utsushigawa, T. Omoto, K. Honda, and **K. Li**, , "Over-the-Air Testing of BAN Diversity Antennas in 4G Downlink Frequency Band," ISAP 2025, Fukuoka, Japan, Oct. 2025.

[13] T. Omoto, K. Honda, and **K. Li**, "Experimental Verification of OTA Testing Method for Test Zone Extension," ISAP 2025, Fukuoka, Japan, Oct. 2025.

[14] T. Hikage, S. Suzuki, H. Masuda, T. Ishitake, **K. Li**, A. Nagai, "Exposure Characterization of a Spatially Synthesized 60 GHz System for Localized Millimeter-Wave Irradiation at Multiple Points on Human Skin," ICEAA 2025, Palermo, Italy, Sep. 2025

[15] Y. Ueda, **K. Li**, H. Utsushigawa, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "A Machine Learning-Based Method for Thermal Parameter Estimation in MMW Exposure," AP-RASC 2025, Session F11, Sydney, Australia, Aug. 2025.

[16] H. Utsushigawa, **K. Li**, T. Matsumoto, S. Yamada, and T. Fujii, "Characterization of LF Band Underground Wireless Communication Using Principal Component Analysis Method," AP-RASC 2025, Session K05, Sydney, Australia, Aug. 2025.

[17] **K. Li**, and K. Honda, "BER Performance Analysis of Implantable Antennas in a Dynamic WBAN Channel," IEEE URSI/AP-S 2025, Ottawa, Canada, Jul. 2025.

[18] C. Li, H. Xu, **K. Li**, and X. Wang, "Averaging Method for Epithelial/Absorbed Power Density in Irregular Skin Models for 5G Antennas," IEEE URSI/AP-S 2025, Ottawa, Canada, Jul. 2025.

[19] E. Ijima, N. Kamizawa, Y. Tsuruta, E. Hidaka, T. Ishitake, A. Nagai, T. Hikage, **K. Li**, and H. Masuda, "Local exposure to 26.5 GHz-millimeter waves induces inflammatory protein expression in rat dorsal skin," BioEM2025, PA-36, Rennes, France, Jun. 2025.

[20] E. Ijima, N. Kamizawa, Y. Tsuruta, E. Hidaka, T. Ishitake, A. Nagai, T. Hikage, **K. Li**, and H. Masuda, "Histological changes in the rat dorsal skin after the high intensity local exposure to 26.5 GHz-millimeter waves," BioEM2025, PA-32, Rennes, France, Jun. 2025.

[21] **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "Thermal Modeling of Rat Dorsal Skin Based on a 60 GHz MMW Exposure System," BioEM2025, PA-45, Rennes, France, Jun. 2025.

[22] H. Xu, **K. Li**, and X. Wang, "A Miniaturized Patch Antenna Designed for Weighted-Polarization MIMO System Used for Human-Centric Communication," IEEE IWS 2025, Xi'an, China, May. 2025.

[23] **K. Li**, "Evaluation Technology for Skin Exposure to Electromagnetic Fields Above 6 GHz: Establishing from Theory, Simulation, and Experimental Approaches," IEEE IWS 2025, Xi'an, China, May. 2025.

[24] **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "Skin Dosimetry Analysis Based on a Spatial Synthetic Exposure Equipment at 60 GHz," EuCAP 2025, Session PM-2, Stockholm, Sweden, Mar. 2025.

[25] H. Xu, **K. Li**, H. Liu, Y. Sun, C. Li, and Xi. Wang, "MIMO Capacity Analysis of Wearable Antennas in FR3 Lower Band," IEEE MAPE 2024, Session-FP1P, Guangzhou, Nov. 2024.

[26] H. Utsushigawa, **K. Li**, , T. Matsumoto, S. Yamada, and T. Fujii, "Field Strength Assessment for Underground Wireless Communication at LF Bands," IWSA 2024, Session 1, Macau, China, Nov. 2024.

[27] **K. Li**, H. Xu, X. Wang, and K. Ishibashi, "Human Blockage Analysis at 5G Millimeter Wave Frequencies Using a High-Resolution Voxel Model," APWCS 2024, Singapore, Aug. 2024.

[28] **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "Error Analysis of APD Calculations Using High-Resolution Anatomical Rat Head Models for Millimeter-Wave Antenna Exposure," BioEM2024, WS3-04, Crete, Greece, Jun. 2024.

[29] **K. Li**, T. Hikage, H. Masuda, E. Ijima, A. Nagai, and K. Taguchi, "Comparison of Calculated APD Between 1-D and 3-D Rat Head Skin Models," EMC Japan & APEMC Okinawa, WedAM2B.2, p.292, Okinawa, May. 2024.

[30] T. Sakura, T. Hikage, H. Masuda. T. Ishitake, **K. Li**, , and A. Nagai, "60 GHz Spatial Synthetic High-Localized Exposure System for Investigating Thermo-Physiology," EMC Japan & APEMC Okinawa, ThuAM2D.2, p.522, Okinawa, May. 2024.

[31] **K. Li**, "A Statistical Analysis for Predicting Human Skin Exposure Level in Millimeter Wave Wireless Systems", PIERS 2024, PIERS Proceedings, 4A2a, Chengdu, China, Apr. 2024.

[32] K. Sugimura, T. Hikage, H. Masuda, T. Ishitake, **K. Li**, , and A. Nagai, "Novel Exposure Setup Using Spatial Synthetic Antennas for Investigation of Thermal Physiology and Cellular Function Changes Induced by Highly Localized Millimeter-Wave Exposure," IEICE ICETC 2023, Session P2, No. 21, Sapporo, Nov. 2023.

[33] K. Sugimura, T. Hikage, H. Masuda, T. Ishitake, **K. Li**, and A. Nagai, "Novel Vertically Exposure System Using Spatial Synthetic Antennas to Investigate Thermo-Physiological and Cellular

Function Changes Induced by Millimeter-Wave Exposure ", ISAP 2025, RS2.5, Kuala Lumpur, Malaysia, Oct. 2023.

[34] **K. Li**, "Method of Power Density and Temperature Elevation Analysis for Skin Exposure to Electromagnetic Fields above 6 GHz", SoftCOM 2023, Split, Croatia, Sep. 2023.

[35] H. Masuda, E. Ijima, T. Hikage, **K. Li**, S. Kodera, A. Hirata, and T. Ishitake, "Effects of high intensity local exposure to 26.5 GHz-millimeter-waves on glial cells in rat brain", URSI GASS 2023, Session K01, Sapporo, Japan, Aug. 2023.

[36] N. Kamizawa, E. Ijima, T. Ishitake, A. Nagai, T. Hikage, **K. Li**, and H. Masuda, "Histological effects of high intensity local exposure to 26.5 GHz-millimeter waves on dorsal skin in rat", URSI GASS 2023, Session K01, Sapporo, Japan, Aug. 2023.

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[38] A. Kapetanovi ´ c, D. Poljak and **K. Li**, "Prediction of Maximum Temperature Rise on Skin Surface for Local Exposure at 10–90 GHz", URSI GASS 2023, Session K07, Sapporo, Japan, Aug. 2023.

[39] **K. Li**, S. Kodera, D. Poljak, Y. Diao, K. Sasaki, A. Susnjara, A. Prokop, K. Taguchi, J. Xi, S. Zhang, M. Yao, G. Sacco, M. Zhadobov, W. E. Hajj, and A. Hirata, "Intercomparison of Spatially Averaged Absorbed Power Density above 10 GHz", URSI GASS 2023, Session K07, Sapporo, Japan, Aug. 2023.

[40] **K. Li**, G. Sacco, B. Uguen, and M. Zhadobov, "Analytical Channel Model for On-Body Antenna at 60 GHz", URSI GASS 2023, Session KD, Sapporo, Japan, Aug. 2023.

[41] **K. Li**, "Frequency Dependence Analysis of MMW Human-Skin Exposure using Regression Algorithm", iWEM 2023, Harbin, China, pp. 29-30, Jul. 2023.

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