

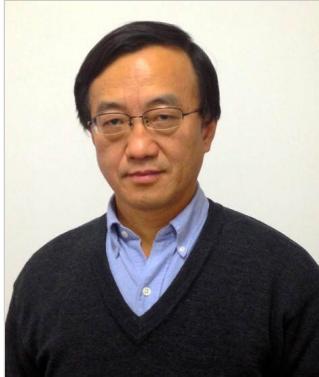


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陈锟山，桂林理工大学聘教授，博士生导师。长期从事电磁波散射机理、遥感影像和信号处理与应用等方面的研究。2007年获选IEEE Fellow。曾承担加拿大CCRS-机载SAR（1993）、NASA环太平洋机载雷达飞行实验（1996, 2000），美国Intermap-机载SAR（2004）台湾地区计划主持人，美国SMAP卫星计划、日本JAXA ALOS-2卫星计划科学小组成员。曾任IEEE GRSS理事（2010–2014），IEEE JSTARS创刊副总主编。现任Proceedings of IEEE, IEEE Transactions on Geoscience and Remote Sensing, IEEE JSTARS等期刊副主编、客座主编。目前已发表SCI论文140多篇，单篇最高引用次数1100多次。并著有专章节10章，英文专著三册《Microwave Scattering and Emission Models for Users:Artech House》（2010年，他引1600多次），《Principles of Synthetic Aperture Radar: A System Simulation Approach: CRC Press》（2015年）。X. Li, H. Guo, K. S. Chen, X. Yang, ed.《Advances in SAR Remote Sensing of Ocean》，CRC Press, FL, USA, 2018.

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2003.09 — 2010.07 中国台湾大学地质系 兼职教授

2000、2003、2006 年美国加州大学圣塔芭芭拉分校计算遥感地球科学研究所 访问学者

1999.08—2000.02 美国华盛顿大学电机及计算机工程系 访问学者

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研究生培养:

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Editorial service:

Member of Editorial Board, *Proceedings of IEEE*(IF: 9.237) (2014至今)

Associate Editor, *IEEE Transactions on Geoscience and Remote Sensing*(IF:4.942) (2001至今)

Associate Editor, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*(IF:2.913) (2011至今)

Member of Editorial Board, *Progress in Electromagnetic Research*(IF:2.404) (2013至今)

Associate Editor, *Remote Sensing*(IF:3.244), (2017 —)

Member of Editorial Board, *Big Earth Data*, (2017 —)

Lead Guest Editor, *Proceedings of IEEE*, Special issue on Radar Remote Sensing, to be published 2019

Lead Guest Editor, *Remote Sensing*(IF:3.244), Special issue on Radar Scattering and Imaging, 2018

Guest Editor, *Remote Sensing*, (IF:3.244), Special issue on Data Restoration and Denoising of Remote Sensing Data, 2018

Lead Guest Editor, *Proceedings of IEEE*, Special Issue on Remote Sensing for Natural Disaster (2012)

Lead Guest Editor, *IEEE Transactions on Geoscience and Remote Sensing*(IF:4.942) (2008)

Founding Deputy Editor-in-Chief, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*(2008 — 2010)

Committee service:

Member, IEEE-GRSS Fellow Committee (2018 —present)

Co-Chair, The Electromagnetic Academy Fellow Committee (2017 —present)

Elected Administrative Committee Member, IEEE Geosciences and Remote Sensing Society (2010–2014)

Council member, Union of Radio Science International (URSI) (2012—present)

IEEE Geoscience and Remote Sensing Society, Taipei Chapter, Funding Chair (2004–2011)

Technical Chair: 1999 Progress in Electromagnetic Research, 600 participants, Taipei, China.

Technical Co-Chair, 2016 IEEE IGARSS, —2000 participants, Beijing, China

Technical Co-Chair, 2017 IEEE IGARS, —1500 participants, Fort Worth, USA.

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中国科学院研究员(2017 —)

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URSI Young Scientist Award (1993)

代表论著:

Book

Adrian K. Fung and Kun-Shan Chen, *Microwave Emission and Scattering Models for Users*, 480 pages, Artech House, USA, 2010.

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Kun-Shan Chen, *Principle of Synthetic Aperture Radar: A System Simulation Approach*, 200 pages, CRC Press, FL, USA, 2015.

X. Li, H. Guo, Kun-Shan Chen, X. Yang, ed. *Advances in SAR Remote Sensing of Ocean*, CRC Press, FL, USA, 2018.

Kun-Shan Chen, *Radar Scattering and Imaging of Rough Surfaces with MATLAB®*, CRC Press, FL, USA, to be published, 2019.

Contributed Book Chapters

1. K. S. Chen and A.K. Fung, Comparison between FDM and standard moment method in surface scattering, in *Integral Methods in Science and Engineering*, (Haji-Sheikh, A. ed.), pp. 259–271, Hemisphere Pub. Co. Washington, 1991.

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3. K. S. Chen, A dynamic learning neural network in remote sensing: image classification and parameters retrieval, in *Information Processing for Remote Sensing*, (C.H. Chen ed.), World Scientific Publishing, 1999.

4. Mitnik, L.M., K. S. Chen and C. T. Wang, Estimation of Average Surface Currents from ERS SAR Images of Oil-Tank Cleaning Spills, in *Marine Surface Films: Chemical Characteristics, Influence on Air-Sea Interactions, and Remote Sensing*, M. Gade, H. Huhnerfuss, and G.M. Korenowski (Eds.), Springer, Heidelberg, 336 pp. " pp. 315–336, 2006.

5. J. P. Wigneron, C. Mätzler, S. J. English, A. Jupp, E. P. Dinnat, J. Boutin, J. Shi, M. J. Escorihuela, K. S. Chen, M. Schwank, C. Prigent, P. Rosnay, B. K. Hornbuckle, A. V. Griend, P. Ferrazzoli, L. Guerriero, T. Pellarin, J. C. Calvet, K. Saleh, Y. Kerr, A. Wiesmann, J. Pulliainen, M. Hallikainen, R. T. Tonboe, G. Heygster, L. T. Pedersen, S. Andersen, P. Waldteufel and T. Holmes, Co-Author of Chapter 4: "Surface Emission" in *Thermal Microwave Radiation: Applications for Remote Sensing*, Editor, C. Matzler, ISBN 0863415733, Institute of Electrical Engineers, StevenAge, UK, 2006.

6. Kun-Shan Chen and Yu-Chang Tzeng, On SAR Image Processing: From Focusing to Target Recognition in *Signal and Image Processing for Remote Sensing*, 2ndEd, (C.H. Chen ed.), World Scientific Publishing, Chapter 12, pp. 221–240, 2012.

7. Kun-Shan Chen and Yu-Chang Tzeng, On SAR Image Processing: From Focusing to Target Recognition in *Signal and Image Processing for Remote Sensing*, 2ndEd, (C.H. Chen ed.), World Scientific Publishing, Chapter 12, pp. 221–240, 2012.

8. Kun-Shan Chen, Modeling of Bistatic Scattering from Rough Surfaces – an Advanced Integral Equation Model in Rough Surface Scattering in *Electromagnetic Scattering: A Remote Sensing Perspective* (Du Yang ed.), World Scientific Publishing, Chapter 1, pp. 1–40, 2017.

9. Kun-Shan Chen, C. Y. Chiang, and H. Guo, *Introduction to Synthetic Aperture Radar*, in X. F. Li, H. Guo, K. S. Chen, X. F. Yang, ed. *Advances in SAR Remote Sensing of Ocean*, CRC Press, FL, USA, Chapter 1, pp. 3–19, 2018.

10. Y. Du, X. Yang, and Kun-Shan Chen, *Sensitivity Analysis of Bistatic Scattering from Sea Surface at L-band*, in X. F. Li, H. Guo, K. S. Chen, X. F. Yang, ed. *Advances in SAR Remote Sensing of Ocean*, CRC Press, FL, USA, Chapter 3, pp. 41–58, 2018.

Refereed Journal Articles

1. Dengfeng Kun-Shan Chen, and Xiaofeng Yang, "Effect of Bispectrum on Radar Backscattering From Non-Gaussian Sea Surface," *IEEE Journal Of Selected Topics In Applied Earth Observations And Remote Sensing*, DOI 10.1109/JSTARS.2019.2946934, 2019.

2. Zhen Xu, Kun-Shan Chen, and Guoqing Zhou, "Effects of the Earth's Irregular Rotation on the Moon-Based Synthetic Aperture Radar Imaging," *IEEE Access*, DOI 10.1109/ACCESS.2019.2948979

3. Rui Jiang, Kun-Shan Chen, and Genyuan Du, "Signatures of Microwave Emission From Foam-Covered Ocean Surface," *IEEE Access*, DOI 10.1109/ACCESS.2019.2938241, 2019.

4. Zhen Xu, Kun-Shan Chen, and Guoqing Zhou, "Zero-Doppler Centroid Steering for the Moon-based Synthetic Aperture Radar: A Theoretical Analysis," *IEEE Geoscience and Remote Sensing Letters*, DOI (identifier) 10.1109/LGRS.2019.2941505, 2019.

5. Ying Yang and Kun-Shan Chen, "Polarized Backscattering From Spatially Anisotropic Rough Surface," *IEEE Transactions on Geoscience and Remote Sensing*, 10.1109/TGRS.2019.2899120, 2019.

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37. Peng Xu, Kun-Shan Chen, Liu Yu, and Zi-Wei Li, "Multimode Coherent Pattern in Bistatic Scattering From Randomly Corrugated Surfaces With Irregular Grooves at L-Band," *IEEE Transactions on Geoscience and Remote Sensing*, vol. 54, no. 7, pp. 4143-4152, 2016.
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39. Hsiu-Wen Wang, Kun-Shan Chen, Zhao-Liang Li, Yu Liu, "Quantitative Analysis of Shoreline Changes in Western Taiwan Coast Using Time-Series SAR Images," *IEEE Journal Of Selected Topics In Applied Earth Observations And Remote Sensing*, vol. 9, no. 11, pp. 4898 - 4907, 2016.
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46. Chin-Fu Chao, Kun-Shan Chen, Jong-Sen Lee, and Chih-Tien Wang, "Refined Filtering of Interferometric Phase from INSAR Data," *IEEE Transactions on Geoscience and Remote Sensing*, vol. 51, no. 12, pp. 5315 - 5323, 2013.
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