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REFERENCES

- [1] A. Hirose, T. Kirimoto, H. Yamada, R. Sato, and S.-E. Park, Eds., in *Proc. 2013 Asia-Pac. Conf. Synth. Aperture Radar (APSAR)*. IEICE, 2013, IEEE GRSS All Japan Chapter & IEICE Electronics Society, Organisations.
- [2] A. Hirose, "APSAR 2013 Tsukuba, Japan—Report," *IEEE Geosci. Remote Sens. Mag.*, vol. 2, no. 2, pp. 83–85, Jun. 2014.
- [3] A. Hirose, "All Japan Chapter: Activities and prospects," *IEEE Geosci. Remote Sens. Mag.*, vol. 2, no. 3, pp. 42–45, Sep. 2014.
- [4] D. Tuia, S. Lopez, M. Schaepman, and J. Chanussot, "Foreword to the special issue on hyperspectral image and signal processing," *IEEE J. Sel. Topics Appl. Earth Observ. Remote Sens.*, vol. 8, no. 6, pp. 2337–2339, Jun. 2015.



Akira Hirose (F'13) received the Ph.D. degree in electronic engineering from the University of Tokyo, Tokyo, Japan, in 1991.

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Dr. Zink has been an active member of the CEOS Working Group on Calibration and Validation, SAR Subgroup, since 1991, and he has been chairing this group, since 2011. He was the General Chairman of the European SAR Conference (EUSAR) 2014. He was the recipient of the DLR Science Award in 1991 and the EUSAR Best Paper Award in 2008. In 2012, he and his colleagues were presented with the IEEE W.R.G. Baker Prize Paper Award and have been nominated for the "Deutscher Zukunftspreis"—Federal President's Prize for Technology and Innovation.