

Publication List of Yuh-Jing Hwang (June 2018)

Part I. Refereed Publications

1. **Y.-J. Hwang**, C.-H. Lien, Huei Wang, R. G. Gough, M. W. Sinclair, and T.-H. Chu, "A 78-114 GHz monolithic subharmonically pumped GaAs-based HEMT diode mixer," *IEEE Microwave Wireless Comp. Letters*, vol. 12, no. 6, pp. 209-211, June 2002.
2. **Y.-J. Hwang**, H. Wang, and T.-H. Chu, "A W-band Subharmonically Pumped Monolithic GaAs-Based HEMT Gate Mixer," *IEEE Microwave Wireless Compo. Letters*, vol. 14, no. 7, pp. 313-315, July 2004.
3. P. T. P. Ho, M.-T. Chen, T.-D. Chiueh, T.-H. Chiueh, T.-H. Chu, H. Jiang, P. Koch, D. Kubo, C.-T. Li, M. Kesteven, K.-Y. Lin, G.-Ch. Liu, K.-Y. Lo, C.-J. Ma, R. N. Martin, K.-W. Ng, H. Nishioka, F. Patt, J. B. Peterson, P. Raffin, H. Wang, **Y.-J. Hwang**, K. Umetsu, J.-H. P. Wu, "The AMiBA Project," *Modern Physics Letters A*, vol. 19, no. 13-16, pp.993-1000, 2004.
4. **Y.-J. Hwang**, R. Rao, R. Christensen, M.-T. Chen, and T.-H. Chu, "Submillimeter-wave phasor beam-pattern measurement based on two-stage heterodyne mixing with unitary harmonic difference," *IEEE Trans. Microwave Theory Tech.*, vol.55, pp. 6, pp.1200-1208, June 2007.
5. J.-Y. Lu, C.-C. Kuo, C.-M. Chiu, H.-W. Chen, **Y.-J. Hwang**, C.-L. Pan, and C.-K. Sun, "THz interferometric imaging using subwavelength plastic fiber based THz endoscopes," *Optics Express*, vol. 16, no.4, pp. 2494-2501, Feb. 2008.
6. J.-Y. Lu, C.-M. Chiu, C.-C. Kuo, C.-H. Lai, and H.-C. Chang, **Y.-J. Hwang**, C.-L. Pan, and C.-K. Sun, "Terahertz scanning imaging with a subwavelength plastic fiber," *Applied Physics Letters*, vol. 92, #084102, Feb. 2008.
7. P. T. P. Ho, P. Altimirano, M. Birkinshaw, S.-W. Chang; C.-H. Chang, K.-J. Chen, M.-T. Chen, T.-D. Chiueh, T.-H. Chiueh, T.-H. Chu, C.-C. Han, C.-W. Hung, Y.-D. Huang, W.-Y. P. Hwang, **Y.-J. Hwang**, H. Jiang, M. Kesteven, P. Koch, D. Kubo, K. Lancaster, C.-T. Li, H. Liang, Y.-W. Liao, J. Lim, Y.-S. Lin, K.-Y. Lin, G.-C. Liu, K.-Y. Lo, C.-J. Ma; P. Martin-Cocher, R. N. Martin, S. Molnar, K.-W. Ng, H. Nishioka, C.-G. Park, F. Patt, J. B. Peterson, P. Raffin, F. Romano, H. Wang, K. Umetsu, F.-C. Wang, J.-H. P. Wu, "The Yuan-Tseh Lee AMiBA Project," *Modern Physics Letters A (MPLA)*, vol.23, no.17/20, pp.1243 – 1251, June 2008.
8. J.-H. P. Wu, T.-H. Chiueh, C.-W. Huang, Y.-W. Liao, F.-C. Wang, P. Altimirano, C.-H. Chang, S.-H. Chang, S.-W. Chang, M.-T. Chen, G. Chereau, C.-C. Han, P. T. P. Ho, Y.-D. Huang, **Y.-J. Hwang**, H. Jiang, P. Koch, D. Kubo, C.-T. Li, K.-Y. Lin, G.-C. Liu, P. Martin-Cocher, S. Molnar, H. Nishioka, P. Raffin, K. Umetsu, M.

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9. P. T. P. Ho, P. Altamirano, C.-H. Chang, S.-H. Chang, S.-W. Chang, C.-C. Chen, K.-J. Chen, M.-T. Chen, C.-C. Han, W. M. Ho, Y.-D. Huang, **Y.-J. Hwang**, F. Ibañez-Romano, H. Jiang, P. M. Koch, D. Y. Kubo, C.-T. Li, J. Lim, K.-Y. Lin, G.-C. Liu, K.-Y. Lo, C.-J. Ma, R. N. Martin, P. Martin-Cocher, S. M. Molnar, K.-W. Ng, H. Nishioka, K. E. O'Connell, P. Oshiro, F. Patt, P. Raffin, K. Umetsu, T. Wei, J.-H. P. Wu, T.-D. Chiueh, T. Chiueh, T.-H. Chu, C.-W. L. Huang, W.Y. P. Hwang, Y.-W. Liao, C.-H. Lien, F.-C. Wang, H. Wang, R.-M. Wei, C.-H. Yang, M. Kesteven, J. Kingsley, M. M. Sinclair, W. Wilson, M. Birkinshaw, H. Liang, K. Lancaster, C.-G. Park, U.-L. Pen, and J. B. Peterson, "The Yuan-Tseh Lee Array for Microwave Background Anisotropy," *Astrophysical Journal*, vol. 694, no. 2, pp.1610-1618, April 2009.
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Part II. Conference Proceedings

1. M.-T. Chen, S.-H. Chang, C.-C. Chin, T.-H. Chu, S.-I. Hu, M.-S. Hwang, **Y.-J. Hwang**, K.-Y. Lo, R.N. Martin, P. Martin-Cocher, S.-S Shen, S.-C. Yang and M. -J. Wang, "A progress report on the Submillimeter Array in Taiwan: the receiver system," *SPIE-4015-27*, August, 2000.
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18. Y.-S. Lin, Y.-S. Hsieh, **Y.-J. Hwang** and C.-C. Chiong, “Q-band bandpass filter designs in heterodyne receiver for radio astronomy,” *IEEE Asia-Pacific Conf. Circuits and Systems (APCCAS 2008)*, Macau, China, Nov. 2008.
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30. Y.-F. Kuo and **Y.-J. Hwang**, “A Ka-Band YIG-based Local Oscillator for Astronomical Heterodyne Receiver,” *Proc. 2013 Asia-Pacific Microwave Conference*, pp. 322-324, Seoul, Korea, Nov. 2013.
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