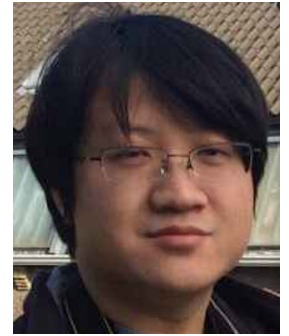


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Scientific Appendix

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Publications

- 2015 J. Lian, S. Sokolov, E. Yüce, S Combrié, A. De Rossi, and A. P. Mosk, '*Dispersion of coupled mode-gap cavities*', in submission.
- 2015 J. Lian, S. Sokolov, E. Yüce, S Combrié, A. De Rossi, and A. P. Mosk, '*Probing and controlling random modes in photonic crystal waveguides*', in submission.
- 2015 S. Sokolov, J. Lian, E. Yüce, S Combrié, Gaelle Lehoucq, A. De Rossi, and A. P. Mosk, '*Local thermal resonance control of GaInP photonic crystal membrane cavities using ambient gas cooling*', in submission.
- 2014 Z. Y. Li, R. J. Liu, L. Gan, J. X. Fu and J. Lian, '*Nonreciprocal electromagnetic devices in gyromagnetic photonic crystals*', International Journal of Modern Physics B, **28**, 1441010 (2014).
- 2012 J. Lian, J. X. Fu , L. Gan and Z. Y. Li, '*Robust and disorder-immune magnetically tunable one-way waveguides in a gyromagnetic photonic crystal*', Physics Review B, **85**, 15210 (2012).
- 2012 J. Lian, J. X. Fu , L. Gan and Z. Y. Li, '*Experimental realization of a magnetically tunable Cavity in a gyromagnetic photonic crystal*', Chinese Physics Letters, **29**, 074208 (2012).
- 2011 J. X. Fu , J. Lian, R. J. Liu, L. Gan and Z. Y. Li, '*Unidirectional channel-drop filter by one-way gyromagnetic photonic crystal waveguides*', Applied Physics Letters, **98**, 211104 (2011).

Oral Presentation

- 2015 SPIE Photonic West, San Francisco U.S., '*Local resonance control of high-Q coupled nanocavities* '
- 2015 SPIE Photonic West, San Francisco U.S., '*Dispersion of mode-gap cavities* '
- 2015 Physics Colloquium, Stanford University U.S., '*Dispersion of mode-gap cavities*', '*Local resonance control of high-Q coupled nanocavities* '
- 2015 Physics Colloquium, Stanford University U.S., '*Dispersion of mode-gap cavities*', '*Local resonance control of high-Q coupled nanocavities* '
- 2015 Physics Colloquium, University of California (UC) Berkeley U.S., '*Dispersion of mode-gap cavities*', '*Local resonance control of high-Q coupled nanocavities* '
- 2015 Physics Colloquium, Massachusetts Institute of Technology (MIT) U.S., '*Dispersion of mode-gap cavities*', '*Local resonance control of high-Q coupled nanocavities* '
- 2015 Physics Colloquium, Boston Univeristy U.S., '*Local resonance control of high-Q coupled nanocavities* '
- 2014 Physics Colloquium, Thales Research and Technology, Palaiseau, France, '*Modeling a chain of high Q coupled cavities* '

Posters

- 2015 S. Sokolov, J. Lian, A. De Rossi, S. Combrié, E. Yüce, H. Thyrestrup, W.L. Vos and A.P. Mosk '*Local property control of high-Q coupled cavities*', FOM Veldhoven, Veldhoven, The Netherlands, 2015
- 2014 S. Sokolov, J. Lian, A. De Rossi, S. Combrié, E. Yüce, H. Thyrestrup, W.L. Vos and A.P. Mosk '*Local property control of high-Q coupled cavities*', FOM Veldhoven, Veldhoven, The Netherlands, 2014

- 2014 S. Sokolov, J. Lian E. Yüce, H. Thyrrstrup, G. Ctistis, J. Pérez-Vizcaino, J. Reuling, A. Lagendijk, W.L. Vos and A.P. Mosk '*3 Dynamic tuning and switching of nanophotonic structures*', MESA+ annual meeting, Enschede, The Netherlands, 2014
- 2013 H. Yilmaz, D. Akbulut, S. A. Goorden, O. S. Ojambati, J. Lian, S. Sokolov, M. J. van de Graaf, J. Aulbach, W.L. Vos, A. Lagendijk and A.P. Mosk '*Optimal control of light propagation in complex media*', MESA+ annual meeting, Enschede, The Netherlands, 2013
- 2013 J. Lian, A. De Rossi, S Combrié, W.L. Vos and A.P. Mosk, '*Modeling coupling and light extraction from a chain of coupled cavities*', Summer school "controlling the propagation of waves in complex media", Cargese, France, 2013
- 2013 J. Lian, A. De Rossi, S Combrié, W.L. Vos, A.P. Mosk, '*Modeling coupling and light extraction from a chain of coupled cavities*', Workshop on Optical Wave Theory and Numerical Modelling, Enschede, The Netherlands, 2013
- 2013 H. Yilmaz, D. Akbulut, J. Bertolotti, S. A. Goorden, J. Lian, Y.F.V. Leung, R.S. Toru, W.L. Vos and A.P. Mosk, '*Optimized surface scattering*', FOM Veldhoven, Veldhoven, The Netherlands, 2013
- 2012 J. Lian, R.S. Toru, Y.F.V. Leung, W.L. Vos and A.P. Mosk, '*Measurements of escape functions of optical diffusers*', Mesoimage, Paris, France, 2012
- 2013 J. Bertolotti, E.G. van Putten, D. Akbulut, H. Yilmaz, J. Lian, R.S. Toru, Y.F.V. Leung, C. Blum, A. Lagendijk, W.L. Vos and A.P. Mosk '*Non-invasive imaging through opaque scattering layers*', MESA+ annual meeting, Enschede, The Netherlands, 2012

Demonstration

- 2015 '*Compressive ghost imaging*', FOM Veldhoven, Veldhoven, The Netherlands, 2015