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[FRANCISCO JOSÉ GARCÍA VIDAL](#) Full  
Professor [Nanophotonics Group](#)

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Biographical Info

PhD: Universidad Autonoma de Madrid.

Postdoc: Imperial College of London (1994-1996).

Research Interests

Nanophotonics.

Plasmonics.

Metamaterials.

Relevant/Recent Publications

Entanglement Detection in Coupled Particle Plasmons. Javier del Pino, Johannes Feist, F. J. García-Vidal, and Juan Jose García-Ripoll, *Physical Review Letters* 112, 216805 (2014). [\[URL\]](#)

Magnetic Localized Surface Plasmons. Paloma A. Huidobro, Xiaopeng Shen, J. Cuerda, Esteban Moreno, L. Martín-Moreno, F. J. Garcia-Vidal, Tie Jun Cui, and J. B. Pendry, *Physical Review X* 4, 021003 (2014). [\[URL\]](#)

Thermalization and Cooling of Plasmon-Exciton Polaritons: Towards Quantum Condensation. S. R. K. Rodriguez, J. Feist, M. A. Verschuuren, F. J. Garcia Vidal and J. Gómez Rivas, *Physical Review Letters*, 111, 166802 (2013). [\[URL\]](#)

Theory of Strong Coupling between Quantum Emitters and Propagating Surface Plasmons. A. González-Tudela, P. A. Huidobro, L. Martín-Moreno, C. Tejedor and F. J. García-Vidal, *Physical Review Letters*, 110, 126801 (2013). [\[URL\]](#)

Light passing through subwavelength apertures. F.J. García-Vidal, L. Martín-Moreno, T.W. Ebbesen and L. Kuipers, *Reviews of Modern Physics*, 82, 729-787 (2010). [\[URL\]](#)

Mimicking surface plasmons with structured surfaces. J. B. Pendry, L. Martín-Moreno

and F. J. García-Vidal, *Science*, 305, 847-848 (2004). [\[URL\]](#)

Beaming light from a subwavelength aperture. H. J. Lezec, A. Degiron, E. Devaux, R. A. Linke, L. Martín-Moreno, F. J. García-Vidal and T. W. Ebbesen, *Science*, 297, 820 (2002). [\[URL\]](#)

Theory of extraordinary optical transmission through subwavelength hole arrays. L. Martín-Moreno, F. J. García-Vidal, H. J. Lezec, K. M. Pellerin, T. Thio, J. B. Pendry and T. W. Ebbesen, *Physical Review Letters*, 86, 6 (2001). [\[URL\]](#)

Transmission Resonances on Metallic Gratings with Very Narrow Slits. J. A. Porto, F. J. García-Vidal and J. B. Pendry, *Physical Review Letters*, 83, 14 (1999). [\[URL\]](#)

Collective Theory for Surface Enhanced Raman Scattering. F. J. García-Vidal and J. B. Pendry, *Physical Review Letters*, 77, 6 (1996). [\[URL\]](#)

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