

# Dr. Hector Lopez

Associate Director



## Contact

hector.lopez@nera.com

Washington, DC: +1 202 466 9296

Mexico City: +52 55 9628 7594

Dr. Hector Lopez is a member of NERA's Communications, Media, and Internet Practice, in which he uses game theory, optimization, simulations, econometrics, and experiments to design and/or provide strategic advice on tailor-made mechanisms such as auctions and complex private transactions. Dr. Lopez has provided on-site support, software tools, and expert reports for his clients.

Dr. Lopez has experience with the most common auction formats, including combinatorial clock auctions (CCAs), simultaneous multiple round auctions (SMRAs), clock auctions, and sealed-bid auctions. He also has experience with non-standard market mechanisms like auctions for dynamically trading wireless bandwidth and road capacity, and mechanisms to set subsidies on telecommunication services.

Dr. Lopez provided auction advice for a participant in the incentive auction. His client realized the highest return of all private equity participants. Dr. Lopez designed and implemented algorithms and techniques to simulate the auction and evaluate strategies. He also prepared comments submitted to the FCC.

Dr. Lopez has authored numerous comments and white papers on market design, telecommunication policy, open access, network sharing, and spectrum policy. He has presented his research at academic and industry conferences. Dr. Lopez has taught undergraduate and Ph.D. courses in microeconomic theory.

## Languages

English

Spanish

## Education

PhD in Economics, University of Maryland, College Park

MSc in Economic Theory, Instituto Tecnológico Autónomo de México

BA in Economics, Instituto Tecnológico Autónomo de México

## Publications

- *Economics of Air Traffic Management in the Drone Era*
- *The Role of Economics on the Road to Autonomous Vehicles and Digital Mobility*

## Practice Areas

Auctions

Communications, Media, and Internet

Radio Spectrum

## **About NERA**

NERA Economic Consulting ([www.nera.com](http://www.nera.com)) is a global firm of experts dedicated to applying economic, finance, and quantitative principles to complex business and legal challenges. For over half a century, NERA's economists have been creating strategies, studies, reports, expert testimony, and policy recommendations for government authorities and the world's leading law firms and corporations. With its main office in New York City, NERA serves clients from more than 25 offices across North America, Europe, and Asia Pacific.