



Ngoc Ngo
Economist

PhD Economics
Northeastern University

MA Economics
Northeastern University

BA Economics
Bates College

Ngoc Ngo (“Nop No”) specializes in the advanced empirical analysis of intellectual property, antitrust and competition disputes. Dr. Ngo’s expert support work spans the telecommunication, medical device, pharmaceutical and consumer goods sectors. Example cases include:

- *Telecommunications.* For the owner of a portfolio of essential 4G patents, Dr. Ngo used data on sales of 3G, 4G and 5G devices to determine the market value of 4G technology. She then determined the patents essential to the standard, and apportioned the standard’s value among them to determine the share attributable to the individual patents allegedly infringed by the defendant, rebutting an ITC respondent’s claim that the complainant had not made a FRAND offer.
- *Consumer goods.* In a breach of contract dispute between the designer and manufacturer of atmospheric water generators, Dr. Ngo developed a model of industry pricing, establishing that the plaintiff had priced its device too high in relation to its feature set, and rebutting the plaintiff’s claim that the defendant’s manufacturing practices were to blame for low sales.
- *Orthopedic instruments.* Dr. Ngo computed the value of a patented tool used in total knee arthroplasty (knee replacement) surgery. Because the tool was not sold separately, and its usage was not tracked, Dr. Ngo analyzed survey evidence to determine the fair market value of the tool, and apportioned the defendant’s profits based on the prices paid for comparable tools.
- *Medical imaging.* In an application for a preliminary injunction in a trade secret dispute involving single-photon emission computed tomography (SPECT) imaging devices, Dr. Ngo analyzed the plaintiff’s market definition and evolution to rebut the plaintiff’s claim it enjoyed first-mover and other advantages that mandated equitable relief in the market as pled.
- *Biologics.* In response to a claim of patent infringement by a biologic used in post-chemotherapy treatment for neutropenia, Dr. Ngo developed an advanced econometric model countering the plaintiff’s claim that the defendant’s biosimilar product diverted a disproportionate number of the plaintiff’s sales, and showing that the plaintiff’s own long-acting product was an important substitute for the product protected by the patent.



In addition to client work, Dr. Ngo is developing improved algorithms to rank patents within innovators' patent portfolio, and continues to refine methods of measuring the value of patents essential to multiple technical standards. She has also co-authored a paper analyzing inflated patent counts in China, and computing the true quantity and quality of Chinese patents after removing the effects of domestic subsidies.

Dr. Ngo completed her PhD in applied economics with a focus on industrial organization at Northeastern University in 2019. Dr. Ngo's dissertation focused on modeling consumer demand in the airline industry, and the antitrust and policy implications of various interventions. Before her doctoral studies, Dr. Ngo attended Bates College, where she graduated *magna cum laude* with a B.A. in Economics.

Publications

Articles

“Does China Really Dominate Global Innovation? The Impact of China’s Subsidized Patent Application System.” (with J. Putnam and H. Luu), *Hudson Institute*, March 24, 2021.

Unpublished papers

“Innovative Output in China,” 2020. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3760816

“Airline Network-Structure Change, Consumer Welfare and Firm’s Costs,” Ph.D. dissertation, Northeastern University, 2019

“Mergers, Multimarket Contact and Intensity of Competition: The Case of Delta and Northwest,” 2019

“The Impact of Health Insurance Provision on the Usage of Preventive Care: Evidence from the Affordable Care Act,” (with Pukar KC), 2019

“Economies of Traffic Density in the Airline Industry: New Evidences from Six Dehub Cases,” 2019

Selected presentations

“The Impact of Health Insurance Provision on the Usage of Preventive Care: Evidence from the Affordable Care Act”, APPAM Regional Student Conference, April 2018

Selected research experience

Value of Standards: Examples in telecommunication industry, 2019-present

Valuation of Patent, 2019-present

Trade Liberalization and Local Labor Market Adjustment in South Africa, 2015

Grants, honors and awards

Northeastern Graduate Student Scholarship, 2013 - 2018

Northeastern Travel Grant, 2018

Phi Beta Kappa, Gamma Chapter of Bates College, Maine, 2012

Bates College Scholarship, 2008 - 2012



Past positions

Northeastern University, Boston, Massachusetts. 2013 – 2019

Research Assistant. 2014 – 2017

Instructor/Teaching Assistant. 2013 – 2019

Lecturer. 2018

Other professional activities

Member of American Economic Association (AEA)