

Beus Gilbert McGroder PLLC



David A. Neal

Associate

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PRACTICE AREAS: INTELLECTUAL PROPERTY LITIGATION

David A. Neal is an associate of Beus Gilbert McGroder PLLC, a premier boutique law firm concentrating on High Stakes Litigation, Real Estate and Zoning Law, and Plaintiffs Catastrophic Injury & Wrongful Death. Mr. Neal is a member of the firm's Intellectual Property Litigation practice.

Mr. Neal previously worked as an associate at an intellectual property law firm, where he prepared and prosecuted patents in bioinformatics, artificial intelligence, machine learning, image processing, cloud networking, and fintech. He also has experience performing invalidity searches, preparing invalidity claim charts and drafting clearance opinions.

During law school, Mr. Neal worked as an intern for the Honorable Kathleen M. O'Malley at the U.S. Court of Appeals for the Federal Circuit and the Honorable Kent A. Jordan at the U.S. Court of Appeals for the Third Circuit.

Prior to law school, Mr. Neal worked as an engineer for almost a decade. Some of his areas of focus include designing electronic packaging for RF components and participating in testing of ordnance for solid rocket motors. His master's work was focused on error correction coding and his PhD dissertation focused on temperature-emissivity separation of hyperspectral images. During his PhD candidacy, he also worked on projects related to MIMO tracking systems and random number generators.

ADMISSIONS:

Virginia

Washington D.C.

EDUCATION:

Rose-Hulman Institute of Technology – B.S., Mechanical and Electrical Engineering | Utah State University – M.S., Electrical Engineering | Utah State University – PhD, Electrical Engineering | J. Reuben Clark Law School – J.D.

Community and Philanthropy:

Mr. Neal served as a missionary for the Church of Jesus Christ of Latter-Day Saints in St. Petersburg Russia, where he learned to speak Russian.

Publications

Utilizing Correct Prior Probability Calculation to Improve Performance of Low-Density Parity-Check Codes in the Presence of Burst Noise, David A. Neal, Master's Thesis, 2012.

Correlated Maximum Likelihood Temperature/Emissivity Separation of Hyperspectral Images, David Neal, Todd Moon, Jake Gunther, and Gus Williams, in 2015 49th Asilomar Conference on Signals, Systems, and Computers, November 2015.

Performance of Maximum Likelihood Temperature/Emissivity Separation of Hyperspectral Images with Correlated Gaussian Downwelling Radiance, David Neal, Todd Moon, Jake Gunther, and Gus Williams, in 2016 50th Asilomar Conference on Signals, Systems, and Computers, November 2016.

Maximum Likelihood Temperature/Emissivity Separation of Hyperspectral Images with Gaussian Distributed Downwelling Radiance, David A. Neal, Dissertation, 2017.