



## Brian Pelatt, Ph.D.

Technical Specialist

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Brian is a technical specialist within Marshall Gerstein's Electrical & Computer Technologies Group. He assists in drafting and prosecuting patent applications and performs due diligence. He also conducts prior art searches, source code analysis, invalidity and validity analysis, expert witness selection, and develops infringement and noninfringement theory.

### Practices

- Patent Prosecution

### Industries

- Electrical & Computer Technologies

### Representative Experience

- Electronic circuits
- Materials science
- Medical devices
- Power conversion
- Semiconductors
- Wireless transmission technologies such as 5G, LTE, and Wi-Fi

### Background and Credentials

Prior to joining Marshall Gerstein Brian was a litigation technology analyst where he performed vital technical and legal research and analysis for lawsuits and matters pending before the U.S. Patent and Trademark Office, including post-grant proceedings and reexaminations. Brian received his Ph.D. and M.S. in electrical engineering and computer science from Oregon State University. He also received his B.S. in physics and B.A. in philosophy from Gonzaga University.

### Education

- Oregon State University (Ph.D.)
  - Electrical Engineering and Computer Science
- Oregon State University (M.S.)
  - Electrical Engineering and Computer Science
- Gonzaga University (B.S.)
  - Physics
- Gonzaga University (B.A.)
  - Philosophy

## Publications

- Pelatt, Brian & Wager, John & Keszler, Douglas. (2019). Elucidation of bonding trends from variability in Atomic Solid State Energies. *Journal of Solid State Chemistry*.
- Pelatt, Brian & Kokenyesi (Kykyneshi), Robert & Ravichandran, Ram & Pereira, Clifford & Wager, John & Keszler, Douglas. (2015). Atomic solid state energy scale: Universality and periodic Trends in oxidation state. *Journal of Solid State Chemistry*.
- Kokenyesi (Kykyneshi), Robert & Itthibenchapong, Vorranutch & Altschul, Emmeline & Keszler, Douglas & Ravichandran, Ram & Pelatt, Brian & Wager, John & Yu, Liping & Lany, Stephan & Zunger, Alex. (2012). Iron chalcogenide photovoltaic absorbers –problems and opportunities.
- Ravichandran, Ram & Pelatt, Brian & Kokenyesi (Kykyneshi), Robert & Wager, John & Keszler, Douglas. (2011). Iron Chalcogenide Thin Film Deposition for Solar Absorbers.
- Yu, Liping & Lany, Stephan & Kokenyesi (Kykyneshi), Robert & Itthibenchapong, Vorranutch & Ravichandran, Ram & Pelatt, Brian & Altschul, Emmeline & Platt, Heather & Wager, John & Keszler, Douglas & Zunger, Alex. (2011). Iron Chalcogenide Photovoltaic Absorbers. *Advanced Energy Materials*.
- Yu, Liping & Lany, S. & Zunger, Alex & Platt, H. & Kokenyesi (Kykyneshi), Robert & Pelatt, B. & Ravichandran, R. & Keszler, Douglas & Wager, John. (2011). The reason FeS<sub>2</sub> is not a good PV absorber.
- Pelatt, Brian & Ravichandran, Ram & Wager, John & Keszler, Douglas. (2011). Atomic Solid State Energy Scale. *Journal of the American Chemical Society*. 133. 16852-60.
- Huang, Chien-Chih & Pelatt, Brian & Conley, J. (2010). Directed integration of ZnO nanobridge sensors using photolithographically patterned carbonized photoresist.
- Pelatt, B. & Huang, Chien-Chih & Conley, J.. (2009). ZnO nanobridge devices fabricated on carbonized photoresist. *Solid-State Electronics*.
- Mason, Ashley & Huang, Chien-Chih & Pelatt, Brian & Conley, J. (2010). Directed Growth of ZnO Nanobridge Sensors using Carbonized Photoresist.

## Community and Professional Involvement

- American Chemical Society
- Institute of Electrical and Electronics Engineers