



## Adnan Bajowala

Technical Specialist

Tel 312.423.3434  
abajowala@marshallip.com

---

Adnan Bajowala assists in preparing and prosecuting patents for clients in the electrical and software technology areas. His graduate education and industry experience provide an extensive understanding in a wide range of technology areas including electrical and systems engineering as well as semiconductors, materials science, and nanotechnology.

### Practices

- Patent Prosecution

### Industries

- Electrical & Computer Technologies

### Background and Credentials

Prior to joining Marshall, Gerstein & Borun LLP, Mr. Bajowala worked at Northrop Grumman Systems Corporation, a leading defense contractor—initially as a physicist and later as a senior systems engineer. He was an integral part of teams that developed a next generation of infrared counter-measures (IRCM) system processors and control interface units, and that developed novel, low-cost IR systems for detection of missiles, high frequency fire, and other types of threats. Before that, Mr. Bajowala worked at IBM Corporation characterizing SiGe integrated circuits. He also has experience researching and developing IR technology, such as detectors, focal plane arrays, and lasers.

Mr. Bajowala earned an M.S. in electrical engineering from Northwestern University, and a B.S. in electrical engineering from the University of Illinois at Urbana-Champaign.

### Education

- Northwestern University (M.S.)
  - Electrical Engineering
- University of Illinois, Urbana-Champaign (B.S.)
  - Electrical Engineering

## Publications and Presentations

- A. Gin, Y. Wei, A. Hood, **A. Bajowala**, V. Yazdanpanah, and M. Razeghi, "Ammonium sulfide passivation of Type-II InAs/GaSb superlattice photodiodes", *Appl. Phys. Lett.*, 84(12) 2037–2039 (2004).
- A. Gin, Y. Wei, A. Hood, **A. Bajowala**, Q. Nguyen, V. Yazdanpanah, M. Razeghi, G. J. Brown, M. Z. Tidrow, "Nanopillars for bandgap-engineering in III-V optoelectronic devices", *Proceedings of SPIE*, v5361 (2004).
- Y. Wei, **A. Bajowala**, A. Hood, A. V. Gin, S. Khosravani, M. Razeghi, M. Z. Tidrow, "High performance LWIR type-II InAs/GaSb superlattice photodetectors and infrared focal plane arrays", *Proceedings of SPIE*, v5732 (2005).
- A. Hood, Y. Wei, A. V. Gin, **A. Bajowala**, M. Razeghi, M. Z. Tidrow, "Passivation of type-II InAs/GaSb superlattice photodetectors", *Proceedings of SPIE*, v5732 (2005).