# Nanlin Wang

TECHNICAL ADVISOR

Nanlin is a Technical Advisor in the Patent Group.

## Practices

Patent

## Education

Iowa State University, PhD, 2006
Tsinghua University, MS, 2000
Central South University, BS, 1997


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Nanlin has an extensive background in semiconductor, electric circuit, video coding, telecommunication, and artificial intelligence.

## Previous Work

Prior to joining ArentFox Schiff, Nanlin was a Technical Advisor at an intellectual property law firm in Alexandria, Virginia, where he drafted new patent applications and office action responses in the fields of semiconductor, video coding, telecommunication, artificial intelligence, and mechanics. Nanlin was a Senior Engineer of Semiconductor Process Integration at a global technology company for ten years. He was also a member of the technical staff at a global semiconductor foundry. In those roles, Nanlin earned recognitions for his outstanding technical contributions.

## Publications, Presentation & Recognitions

Nanlin's publications include:

- Nanlin Wang, Louay Semaan, The impact of the alloy process on the NBTI performance in 80s DRAM technology. Micron TLP Journal, 2015
- Nanlin Wang, Vikram Dalal, Nanocrystalline Si and devices produced using chemical annealing with helium, Mat. Res. Soc. Symp. Proc., 2005, A20.6.1
- Nanlin Wang and Vikram L. Dalal. Improving Stability of Amorphous Silicon Using Chemical Annealing With Helium, J. Non-cryst. Solids (2006)
- Nanlin Wang, John Snyder and Alan Constant, Phase formation and magnetic properties of Fe-N thin films deposited by reactive pulsed laser deposition. J. of Vacuum. Sci. and Tech. 2003, 21(5), 1734-1738.
- Nanlin Wang, Yingjiu Zhang, Jing Zhu. Growth of Silicon nanowires via Ni/SiCl4 Vapor-Liquid-Solid reaction. Journal of Materials Science Letters.2001, 20, 89-91.
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Nanlin Wang, Wei Liu et al. Influence of an electric field on the quench aging of a medium-carbon alloy steel. Scripta Materialia, 2001, 44, 2517-2521.

- Yingjiu Zhang, Nanlin Wang et al. Synthesis of SiC nanorods using floating catalyst. Solid State Communications. 2001, 118,595-598.
- Yingjiu Zhang, Nanlin Wang et al. A simple method to synthesize Si3N4 and SiO2 nanowires from Si or Si/SiO2 mixture. Journal of Crystal Growth, 2001, 233, 803-808.
- Yingjiu Zhang, Nanlin Wang et al. Reversible bending of Si3N4 nanowire. Journal of Materials Research. 2000, 15(5), 1048-1051.
- Yingjiu Zhang, Nanlin Wang et al. A simple method to synthesize nanowires. Chemistry of Materials, 2002, 14, 3564-356.

## Life Beyond the Law

Outside of work, Nanlin enjoys basketball, movies, music, and hiking.

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