



**Joseph (Yu) Chen, Ph.D.**

***Science Advisor and Technical Consultant Manager***

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**GROUPS**

Acumen Powered by Robins Kaplan LLP  
Science and Engineering Advisors  
Intellectual Property and Technology Litigation  
Patent Litigation

**EXPERIENCE**

A science advisor with acute understanding in various fields of physics, computer science, and electrical engineering, Dr. Joseph (Yu) Chen provides insightful analysis of the scientific and technological aspects of many of Robins Kaplan's most complex intellectual property cases. His extensive knowledge in various engineering fields and deep experience in technology evaluation enables him to provide detailed and astute analysis of the various phases of cases involving patent evaluation, patent litigation, and trademark infringement.

Prior to joining Robins Kaplan, Dr. Chen performed extensive study and research in various scientific and engineering fields, including optical communication devices, digital and analog circuitry design, biomedical device design and others. Dr. Chen received his doctoral degree in electrical engineering from the University of Minnesota Twin Cities with more than 10 peer review publications.

As a member of the Science Advisor Group, Dr. Chen is actively involved in cases with various technologies, such as wireless communication, software, analog voltage regulators, touch screens, semiconductor fabrication, and other technologies. His extensive understanding of electrical engineering enables intellectual property case teams to quickly and accurately grasp even the most complex technology.

**YU CHEN, *continued***

**PUBLICATIONS**

“Nanobeam photonic crystal cavities for gas-phase chemical sensing,” *ACS Nano* 8, 522-527 (2014)

“Heterogeneously integrated silicon photonics for the mid-infrared and spectroscopic sensing,” *ACS Nano* 8, 6955 (2014)

“Integrated silicon and silicon nitride photonic circuits on flexible substrates,” *Optics Letters* 39, 3449 (2014)

**PUBLICATIONS (Cont.)**

“Enhanced optical forces in integrated hybrid plasmonic waveguides,” *Optics Express*, 21, 11839 (2013)

“Flexible and tunable silicon photonic circuits on plastic substrates,” *Scientific Reports*, 2, 622 (2012)

“Flexible and tunable silicon photonic devices,” *CLEO Conference* (2012)

“Multichannel cavity optomechanics for all-optical amplification of RF signals,” *Nature Communications*, 3,1091(2012)

**EDUCATION**

University of Minnesota, Twin Cities, Ph.D. in Electrical Engineering (2014)

Wuhan University, M.S. in Electrical Engineering (2009)

Wuhan University, B.S. in Electrical Engineering (2007)