



## ESE Seminar Announcement

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Friday, October 23, 2015  
Green Hall, Room 0120  
1:10 PM

### INTELLECTUAL PROPERTY PRIMER FOR RESEARCHERS AND ENGINEERS

**Abstract:** From Research to Patents:

I. What every scientist and engineer should know about patents and the patent process! What is a patent? Which is a right specified in Article I of the U.S. Constitution - "to promote the Progress of Science and useful Arts." What is the standard for patentability? What is the difference between an inventor and an author?

II. Discussion about the Leahy-Smith America Invents Act of 2011 ("AIA"). AIA is the first significant overhaul of the U.S. patent system in nearly 60 years, which was signed into law on September 16, 2011. This new patent reform has ushered in considerable changes in how companies, universities, and individuals may obtain and enforce patents in the United States. Its effect on how researchers disclose their inventions include: Changes from First-to-Invent to First-to-File a patent application, which became effective on March 16, 2013; Expansion of Available Prior Art; Post Grant Review of Issued Patents; Inter Partes Review (IPR) of Issued Patents; and Importance of Lab Notes

III. Discussion about the Alice vs. CLS Bank Supreme Court decision, delivered on June 2014. The Alice decision held that patent claims directed to certain abstract ideas are invalid under 35 U.S.C. Sec. 101. As such, this decision has impacted software patents, and business method patents.

**Bio:** Kader S. Gacem is a Master Patent Agent at Tolpin & Partners law firm. Mr. Gacem has extensive experience in patent application preparation and prosecution, and portfolio management for clients. Mr. Gacem also provides technological advice in support of validity, infringement, patentability analyses, and litigation matters in the areas of electrical engineering, telecommunications, and computer technology. Mr. Gacem has been recognized for unique combination of technical proficiency and intellectual property acumen. Mr. Gacem has been effective in invention harvesting, by identifying strategically important products and services within a corporation and identifying patentable inventions that support those products and services. Prior to embarking on his Intellectual Property career, he served as a senior engineer and technical expert at an electric power company serving the State of Illinois.

Mr. Gacem received his Bachelor's degree in Electrical Engineering from the Polytechnic University of Algiers, a Master's degree in Electrical Engineering from the Missouri University of Science and Technology, with Phi Kappa Phi Honors, a Master's degree in Systems Science and Mathematics from Washington University in St. Louis, and conducted Doctoral Research and Studies in Electrical Engineering at Washington University in St. Louis.