

Steven A. Soper
William L. & Patricia Senn, Jr. Professor
of Chemistry
Professor, Mechanical Engineering
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Prof. Steven A. Soper received his Ph.D. in Bioanalytical Chemistry from the University of Kansas (KU) in 1989 working under the direction of Prof. Ted Kuwana. His dissertation work was directed toward developing new strategies for the analysis of pharmaceutical compounds. While at KU, he received several awards, such as the Huguchi Distinguished Doctoral Candidate Award and the American Chemical Society Award for research in Analytical Chemistry (sponsored by the Pittsburgh Conference). Following graduation, Steven accepted a Postdoctoral Fellowship at Los Alamos National Laboratory under the direction of Dr. Richard A. Keller. His work at Los Alamos was focused on single molecule detection methods for the high speed sequencing of the human genome. As a result of this work, he received an R&D 100 award in 1991.

Steven joined the faculty at Louisiana State University (LSU) in the fall of 1991 as an

assistant professor. He was promoted to associate professor in 1997 and to full professor in 2000. In 2002, Steven received a chaired professorship in Chemistry at LSU (William L. & Patricia Senn, Jr. Chair). His research interests include micro- and nanofabrication of integrated systems for bioanalytical applications, chemical modification of thermoplastic material, ultra-sensitive fluorescence spectroscopy (time-resolved and steady-state), high-resolution electrophoresis, sample preparation methods for clinical analyses, and microfluidics. As a result of his efforts, he has secured nearly \$22.5M in extramural funding from such agencies as the National Institutes of Health, Whitaker Foundation, American Chemical Society, Department of Energy and the National Science Foundation. Steven has published over 155 manuscripts in various research publications and is the author of three patents. In addition, Steven has given approximately 165 technical presentations at national/international meetings and universities since 1995. Steven is now the Director of a major multi-disciplinary research Center at LSU, which is funded through the NSF. The Center has 27-faculty participants and occupies a 50,000 sq. ft. research complex.

Steven has received several awards for his research accomplishments while at LSU, including the Outstanding Untenured Researcher (Physical Sciences, Louisiana State University, 1995) presented by Phi Kappa Phi, Outstanding Researcher in the College of Basic Sciences (Louisiana State University, 1996) and Outstanding Science/Engineering Research in the state of Louisiana (2001).

Steven is also involved in various national activities, such as serving on review panels for the National Institutes of Health, the Department of Energy and the National Science Foundation. In addition, he serves on the advisory board for several technical journals, such as *Analytical Chemistry* (A-page editorial board), *Journal of Fluorescence*, and *The Analyst*.