



David Fries

Senior Developmental Engineer
University of South Florida
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Master of Science Degree, Chemistry
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David received his Bachelor of Science degree in Chemistry from the University of Pittsburgh in 1987. He earned his Master of Science degree in Chemistry from the University of South Florida in 1999. He currently develops microsystems at the Center for Ocean Technology

His research focuses on novel developments in analytical instrumentation. He has been awarded two patents for mass spectrometric instrumentation, and has ten more patent applications related to microsystems and mass spectrometric technology. He has also transferred underwater mass spectrometric technology to the commercial sector. David has developed a maskless lithography system for microsystem patterning, permitting a fundamental change in the typical microelectromechanical systems (MEMS) fabrication process. Currently he is leading technical development on an application-specific chemical microsystem analyzer for in-water applications.

He enjoys being a scientist because he is able to make a living while being creative. He would encourage young people to consider science as a profession, because there are many opportunities to use a variety of talents, be innovative, and have fun while you work.

He still considers his greatest work produced to be his four children.