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Beyond Publishing Papers. The Challenges and Rewards of Launching and Running a High-tech Startup: A Personal Perspective

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Digital Media Center Theatre
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Abstract:

I will provide a summary, as practitioner, of the links between academia and high-tech startups, including the different approaches to found a startup or think about it: seed funding, incubators, different business models, how to protect your IP, federal and local sources of funding for small businesses, accounting, statistical data on success rates and such. Emphasis will be placed on the critical role of university policies to foster an environment on which such enterprises are encouraged and an infrastructure is in place, especially for students (undergrad and graduate ones) and young researchers, but also faculty. Such environments critically define the geographic areas where startups flourish. Agencies such as NSF have new programs promoting universities to serve as hubs for such initiatives. I will also share some of my own experiences about launching and running a startup while remaining active in academia.

Disclaimer: none of my opinions necessarily reflect those of FASTech as a company or UCSD, or any of their funding sources.

Speaker's Bio:

Dr. Tiglio received his Ph. D. in Physics from the Universidad Nacional de Cordoba (Argentina) in October of 2000. Since then he has had a number of postdoctoral, research, visiting scholar and faculty positions at Penn State, Louisiana State University, Cornell University, the University of Maryland, and Caltech. He is currently a research scientist at the University of California San Diego and CEO and co-founder of FASTech, LLC, a high-tech startup located in San Diego, California.

Dr. Tiglio's academic research interests include general relativity and gravitational waves. In industry, he is interested in emerging and disruptive technologies. His industry work focuses on real-time and compact solutions to complex problems, with applications to aerospace and defense, geographic information systems, computer vision, media compression and financial trading.

