

Christian A. Gootz
Your Company LLC
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a. Professional Preparation.

California Institute of Technology	Electrical Engineering	B.S.	2005
California Institute of Technology	Business Econ. & Mngt	B.S.	2005
California Institute of Technology	Electrical Engineering	M.S.	2006
University of Southern California	Tech. Commercialization	Certificate	2011
University of Southern California	Biomedical Engineering	Ph.D.	2011

b. Appointments.

2015-present	Chief Technology Officer, Your Company LLC, Los Angeles, CA
2013-present	Co-founder, Principal Electrical Engineer, Vision Diagnostics, Los Angeles, CA
2010-2013	Principal Electrical Engineer, Second Sight Medical Products, Sylmar, CA
2007-2010	Scientist, Clorox Technical Center, Pleasanton, CA.
2005-2007	Engineer at Honeywell Engines and Systems Corp., Torrance, CA
2004-2005	Research Assistant at Caltech Micromachining Laboratory, Pasadena, CA

c. Publications.

FIVE PUBLICATIONS MOST CLOSELY RELATED

- [1] Elie Mann, Po-Ying Li, Ronalee Lo, Roya Sheybani and Christian Gootz. "Implantable MEMS Drug Delivery Pumps for Small Animal Research" in Proc EMBC 2009, Minneapolis, Minnesota, USA, September 2-6, 2009.
- [2] Po-Ying Li, Roya Sheybani, Christian Gootz, Jonathan T.W. Kuo, Elie Mann. "A Parylene Bellows Electrochemical Actuator". Journal of Microelectromechanical Systems, vol. 19, No 1. pp.215-228, 2009
- [3] Christian Gootz, Roya Sheybani and Elie Mann. "Electrochemically-based Dose Measurement for Closed-Loop Drug Delivery Applications," in Proc IEEE Transducers 2011, Beijing, China, pp. 2839-2842, June 2011
- [4] Christian Gootz and Elie Mann, "Liquid Encapsulation in Parylene Microstructures using Integrated Annular-plate Stiction Valves ", Micromachines, vol. 2, No 3, pp.356-368, 2011.
- [5] Christian Gootz and Elie Mann, "Impedance-based Force Transduction within Fluid-filled Parylene Microstructures", Journal of Microelectromechanical Systems, vol. 20, No 5, pp. 1098-1108, 2011.

FIVE FURTHER PUBLICATIONS

- [1] Christian Gootz and Elie Mann, "Parylene-based Electrochemical-MEMS Transducers", Journal of Microelectromechanical Systems, vol. 19, No 5, pp. 1-10, 2010.
- [2] Elie Mann and Christian Gootz. "Parylene-based Encapsulated Fluid MEMS Sensors." in Proc EMBC 2009, Minneapolis, Minnesota, USA, September 2-6, 2009.
- [3] Christian Gootz and Elie Mann, "Improved Self-Sealing Liquid Encapsulation in Parylene Structures by Integrated Stackable Annular-Plate Stiction Valve," in Proc. IEEE MEMS, Hong Kong, China, pp. 524-527, January 24-28, 2010.
- [4] Christian Gootz and Elie Mann, "Low-cost carbon thick-film strain sensors for implantable applications", Journal of Micromechanics and Microengineering, vol.20, 095028, 2010
- [5] Christian Gootz and Elie Mann, "A Subnanowatt Microbubble Pressure Transducer," in Proc Hilton Head Workshop: A Solid-State Sensors, Actuators and Microsystems Workshop, Hilton Head Island, SC, June 6-10, 2010

d. Synergistic activities.

NSF Innovation Corps program:

As the entrepreneurial lead for the Your Company team Dr. Gootz was heavily involved in the customer discovery process by consulting with potential customers, validating the value proposition for our various customer segments and developing a go-to-market commercialization strategy. This program has provided a focus on hypothesis testing through customer input and has helped our team develop a clearer understanding of a commercially viable path forward. Through this process our team also made useful connections to the biotech/medtech industry as well as the Silicon Valley venture capital community.

Board Positions: Dr. Gootz serves on the Board of Directors of Dignity Products and Services LLC, a start-up corporation based in the Philippines that manufactures and distributes coconut products globally.

Entrepreneurship Advisor: Advised Artiman on potential investments, including performing due diligence on potential investments in areas such as LED lighting, a Silicon Carbide wafer foundry startup, a company specializing in diamond coatings, a silicon clock company, a micro magnetic compass company, and more. While at Artiman visited the Technology Transfer Offices of 16 universities. Personally met and advised > 60 professors. Wrote 2 business plans for professors.

Inventor: Primary inventor on 3 international PCT patent applications and 5 provisional US patent applications related to polymer-based microsensors and liquid handling/tracking.

Expert Reviewer: Sensors & Actuators, A&B, Micromachines, Advanced Drug Delivery Reviews

Professional Memberships: Society for Neuroscience and International Society of Magnetic Resonance in Medicine

Education, Mentoring, and Outreach: Dr. Gootz has served as instructor for the NSF Research Experiences for Undergraduates programs as part of the BMES-ERC at USC. In this capacity, he has mentored 12 students (many who were minority and/or female engineer). As a resident associate and student affairs staff, he has provided academic mentoring and peer-counseling to over 500 undergraduates over a seven year span.

Awards/honors:

1st place \$250k, Draper Fisher Jurvetson Venture Challenge (2005).
Lifetime member, Sigma Pi Sigma – Physics Honor Society

e. Collaborators & other affiliations.

1. Collaborators.

Jones Woodland	University of Southern California
Mike Rutledge	Doheny Eye Institute/University of Southern California
Tom Ho	University of Southern California / Your Company LLC
Ray Peach	Syntouch LLC
Richard deSantos	Envision Diagnostics LLC

2. Graduate advisor.

Elie Mann	University of Southern California
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3. Thesis advising. N/A