BIOGRAPHICAL SKETCH

NAME: Lee, Sang-Joon (John)

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POSITION TITLE & INSTITUTION: Professor, San Jose State University (SJSU)

(a) PROFESSIONAL PREPARATION

INSTITUTION	LOCATION	MAJOR / AREA OF STUDY	DEGREE	YEAR
M.I.T.	Cambridge, MA	Mechanical Engineering	PhD	1996
M.I.T.	Cambridge, MA	Mechanical Engineering	MS	1992
Stanford University	Stanford, CA	Mechanical Engineering	BS	1990

(b) APPOINTMENTS

2015 - Professor, San Jose State University, Mechanical Engineering, San Jose, CA
2008 - 2015 Associate Professor, San Jose State University, Mechanical Engineering, San Jose, CA
2002 - 2008 Assistant Professor, San Jose State University, Mechanical Engineering, San Jose, CA
2001 - 2002 Adjunct Faculty, Santa Clara University, Mechanical Engineering, Santa Clara, CA
1999 - 2002 Research Associate, Stanford University, Mechanical Engineering, Stanford, CA
1996 - 1999 Systems Engineer, Applied Materials, CA, CA
1989 - 1990 Engineering Intern, Molecular Devices LLC, Sunnyvale, CA

(c) SELECTED PRODUCTS

1. Lee S, Nguyen D, Grewal H, Puligundla C, Saha A, Nair P, Cap A, Ramasubramanian A. Image-based analysis and simulation of the effect of platelet storage temperature on clot mechanics under uniaxial strain. *Biomechanics and Modeling in Mechanobiology*. 2019.
2. Saw S, Ramasubramanian A, Simon M, Lee S. Formation of Clot Analogs Between Co-Flow Fluid Streams in a Microchannel Device. ASME-JSME-KSME 2019 8th Joint Fluids Engineering Conference. San Francisco, California, USA. American Society of Mechanical Engineers; 2019.
3. Young C, Ramasubramanian A, Simon M, Lee S. Time-Invariant Deformation of Blood During Necking on an Electrowetting Digital Microfluidic Platform. ASME-JSME-KSME 2019 8th Joint Fluids Engineering Conference. San Francisco, California, USA. American Society of Mechanical Engineers; 2019.
4. Doser S, Lee S. In-Plane Hydraulic Resistance Through Paper-Thin Porous Media. ASME 2018 5th Joint US-European Fluids Engineering Division Summer Meeting. Montreal, Quebec, Canada. American Society of Mechanical Engineers; c2018.
5. Oruganti N, Goedert M, Lee S. Process variability in surface roughening of SU-8 by oxygen plasma. *Microsystem Technologies*. 2012 November 2; 19(7):971-978.
6. S. J. Lee and N. Sundararajan, *Microfabrication for Microfluidics*, Boston, MA: Artech House, 2010.
7. Lee S, Goedert M, Matyska M, Ghandehari E, Vijay M, Pesek J. Polymethylhydrosiloxane (PMHS) as a functional material for microfluidic chips. *Journal of Micromechanics and Microengineering*. 2008 February 01; 18(2):025026-.

(d) SYNERGISTIC ACTIVITIES

1. Faculty Director, SJSU, Microscale Process Engineering Laboratory, 2014- 2019.
2. Associate Director, SJSU Materials Characterization and Metrology Center, 2010-2018.
3. Program Committee Member, IEEE San Francisco Bay Area MEMS and Sensors Chapter, 2013-present.