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Attachment No. 1

Research and Textbooks Authored or Co-authored by Tai-Ran Hsu (1986-2018)



Book Titles:

Top row (from left)

1. **The Finite Element Method in Thermomechanics** (391 pp)
e-book available at springer.com (<http://www.springer.com?gp/book/9789401/60001>) (ISBN 978-94-011-5998-2) (5-star review @ Amazon.com)
2. **Advanced Machine Design by Microcomputers** (95 pp)
3. **Computer-Aided Design – an integrated approach** (487 pp)
(4-star review@Amazon.com)

Middle row (from left)

4. **Advances in Electronic Packaging 1995**. (275 pp)
5. **MEMS & Microsystems, Design and Manufacture** (first edition) (436 pp)
(2.5 star review @Amazon.com)
6. **MEMS Packaging** ((Available @Amazon.com with no review)

Lower row (from left)

7. **MEMS and Microsystems, Design, manufacture and nanoscale engineering (2nd Edition)** (550 pp) (5-star review @ Amazon.com, **The Best Business & Leadership Book** of 2018 by Amazon.com)
8. **Applied Engineering Analysis** (500 pp)(5-star review @ Amazon.com)

Attachment No. 2
Major Research Grants and Contracts/ Awards
Secured by T.R. Hsu after Joining San Jose State University in 1990

Projects	Funding Sources	Period	Amount (\$)
Wind Power Generation on High Rise Buildings in Urban Centers Co-PIs: Craig Clements & Eugene Cordero (Meteorology Dept., SJSU)	California Energy Commission	Sep/10 to Dec/11	50000
A Mobile Atmospheric Profiling System for Multi-Campus Research & Education (CSU-MAPS). PI: Craig Clements (Meteorology Dept., SJSU) Co-PIs: T.R. Hsu and A. Bridger	National Science Foundation MRI-R ² (Major Research Instrumentation Program)	Jul/09 to Dec/12	446894
Hybrid Powered Zero Emission (ZEM) Vehicle Design and Development (a student project)	College of Engineering, SJSU	Jul/07 to Jun/08	41000
		Jul/06 to Jun/07	36229
Laboratory Experiments in MEMS PI: John Lee, CO-PIs: T.R. Hsu, G. Stacy and D. Parent	National Science Foundation Washington, DC	Aug/04 to Jul/06	115564
Laboratory and Curriculum Development in Thermal Management of Electronics PI: Nicole Okamoto, CO-PI: T.R. Hsu	National Science Foundation Washington, DC	Jul/03 to Jun/06	105757
On Miniature Microphone Design	Industrial Technology Research Institute, San Jose, CA		45000
On Moisture-Induced Fracture of Integrated Circuits with Plastic Encapsulations	US Airforce/National Semiconductor Corp., Santa Clara, CA	Jun/95 to Jul/96	63000
Undergraduate Curriculum Development on Mechatronics Systems Engineering	National Science Foundation Washington, DC	Feb/95 to Jan/98	494279
	Hewlett-Packard Company		70978
	David Brown Fellowship in mechatronics		50000
Trans-Pacific Workshops on Mechatronic Technology	National Science Foundation Washington, DC	Jan/95 to Dec/96	50000
Planning Trip on Trans-Pacific Workshops on Mechatronic Technology	National Science Foundation Washington, DC	Jan-94	8200
Fatigue Strength of Adhesives for Wind Turbine blades	FloWind Corporation Pleasanton, CA	Jan/92 to Dec/93	27000
Total:			\$1,603,901