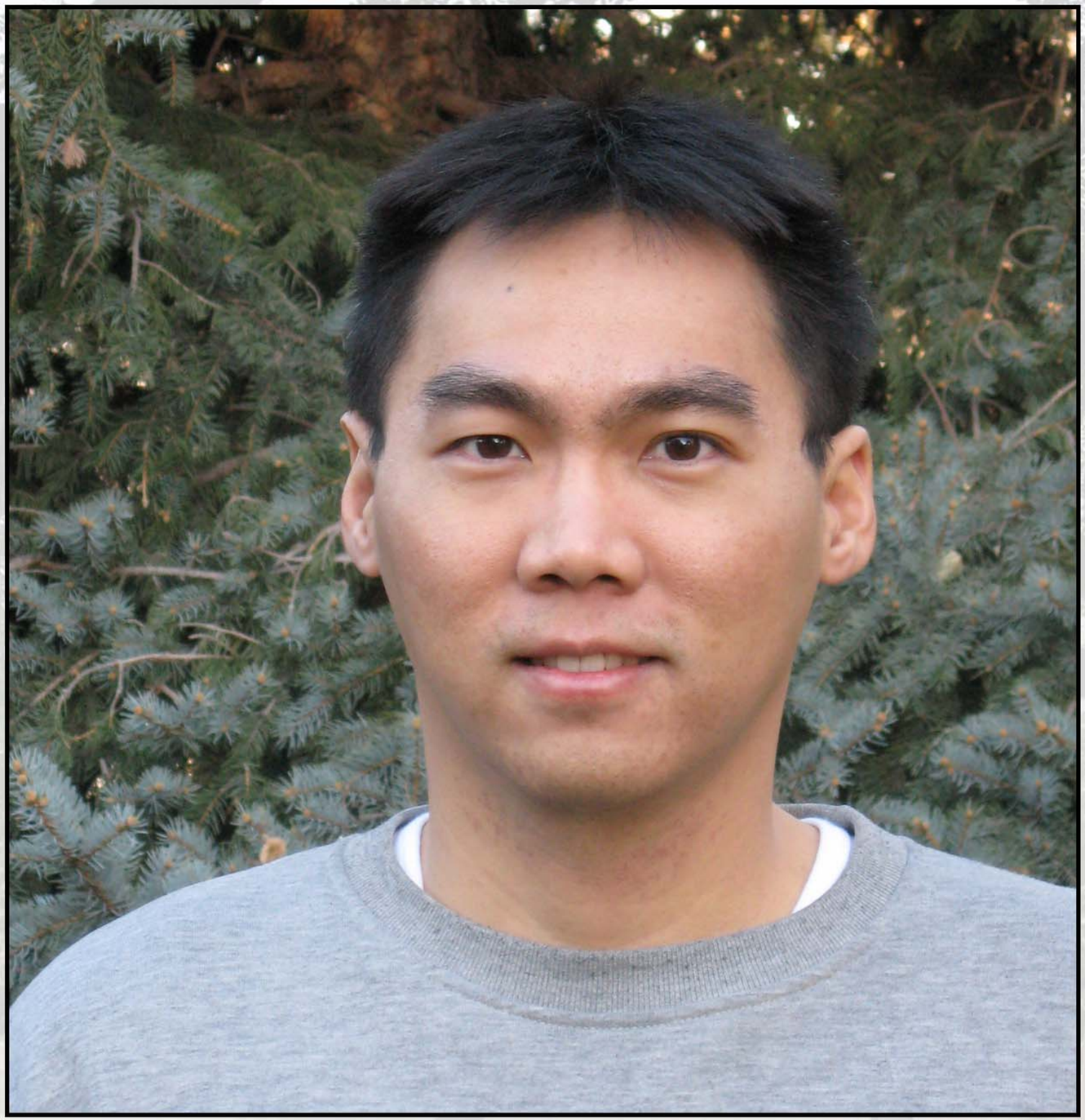
Student of the Month



Martin Lin (Mu-Hong Lin) is currently a PhD student working in Prof. Y.C. Lee's group. His research interests include micro-electro-mechanical systems, electronic packaging, dynamic and thermal elasticity model of mechanical actuators and resonators, and high-tech business strategy, management and marketing. Currently he is working on a DARPA sponsored micro cryogenic cooler (M.C.C.) project as his PhD thesis research topic. In this project, the world's smallest micro cryogenic cooler with hollow-core fiber-based micro heat exchanger has been fabricated. Utilizing special designed gas mixture refrigerants NIST provided, the lowest temperature 77k has been achieved through 16:1 atm pressure ratio.

Martin received his B.S. degree from National Taiwan University at Taipei, and M.S. degree from CU Boulder. In 2006, he came back to CU joining MCC for PhD research. Prior to the MCC project, he was working in the advanced concept division at Seagate Technology in Longmont. Martin was involved in projects such as hard disk drive actuator dynamic model and design, windage control device evaluations and design, and successfully solved the major vibration problem at fluid dynamic bearing in HD. Later he moved back to Taiwan starting as a sales specialist at AmTRAN Technology which designs, manufactures, and sells flat panel displays and A/V accessories. There he was involved in sales, project management, logistic & manufacturing coordination, and eventually oversaw business of ODM/OEM clients includes B&O, Philips, Thomson, Sharp, and Sony Vaio. Furthermore, he also supported the company's own brand Vizio in strategic purchasing, sales & marketing of MOEM-based free space optical communication system for A/V systems in EU, and initiated fiber optics for HD TV signal communications in market.

During his free time, Martin enjoys the beautiful views in Colorado. He is currently learning to ski under another student, Ray Wu's, instruction. Finishing his PhD degree and navigating the moguls without breaking any bones are his two major goals in 2009.