**Introduction of MOST Additive Manufacturing (3D printing) Program**

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Promoted by U.S. government and extensive coverage by global media, Additive Manufacturing (aka AM or 3D Printing) has been an attractive engineering focus for future burgeoning field and emerging technology. Despite of the excessive media coverage, the underlying technology for Additive Manufacturing has been existing for more than thirty years. The remaining major challenge is then on how to transfer the technology into new industry focus and even to transform and leverage the existing manufacturing systems to the extent of digital manufacturing. To respond to this request, the Program is proposed with vision set to encourage technology development of application-led new equipment, new materials, new processes, as well as to establish new milestones for Additive Manufacturing in Taiwan. The purpose of this Program is to solicit, examine, manage, and monitor competitive proposals and projects which shall provide detailed application-led research projects to meet the Program’s objectives: (1) Thorough development of knowledge and technologies and production of relevant high-caliber human resource for Additive Manufacturing; (2) Innovations of academic research, technologies and applications with possession of key patents and development of patent portfolio; (3) Lead and combine nation’s abundant academic research resources to promote research and development alliance between industry, academia and research institutions in Taiwan; (4) Provide new platform and production means for professionals and citizens of Taiwan for value-enhanced self-realization.

Professor Cheng-Kuo Sung received his Ph.D. in Mechanical Engineering from Michigan State University in 1986. He has served PME NTHU over 35 years including two years as a technical Staff. His research interests include machine dynamics, precision machine design, and fabrication of micro/nano-structures. Apart from academic researches, he has been actively conducting cooperative researches with bicycle, motorcycle, machinery, and flat-panel display industries. Currently, he is the Director of HIWIN-NTHU Joint Research Center and the Coordinator of Additive Manufacturing Program sponsored by Ministry of Science and Technology, R.O.C. He is a fellow of ASME, CSME, and STAM.