CIRMM/LIMMS

TOSHIYOSHI LAB.

[MEMS for Frugal Electronics Technology]

Center for Interdisciplinary Research on Micro-Nano Methods (CIRMM)

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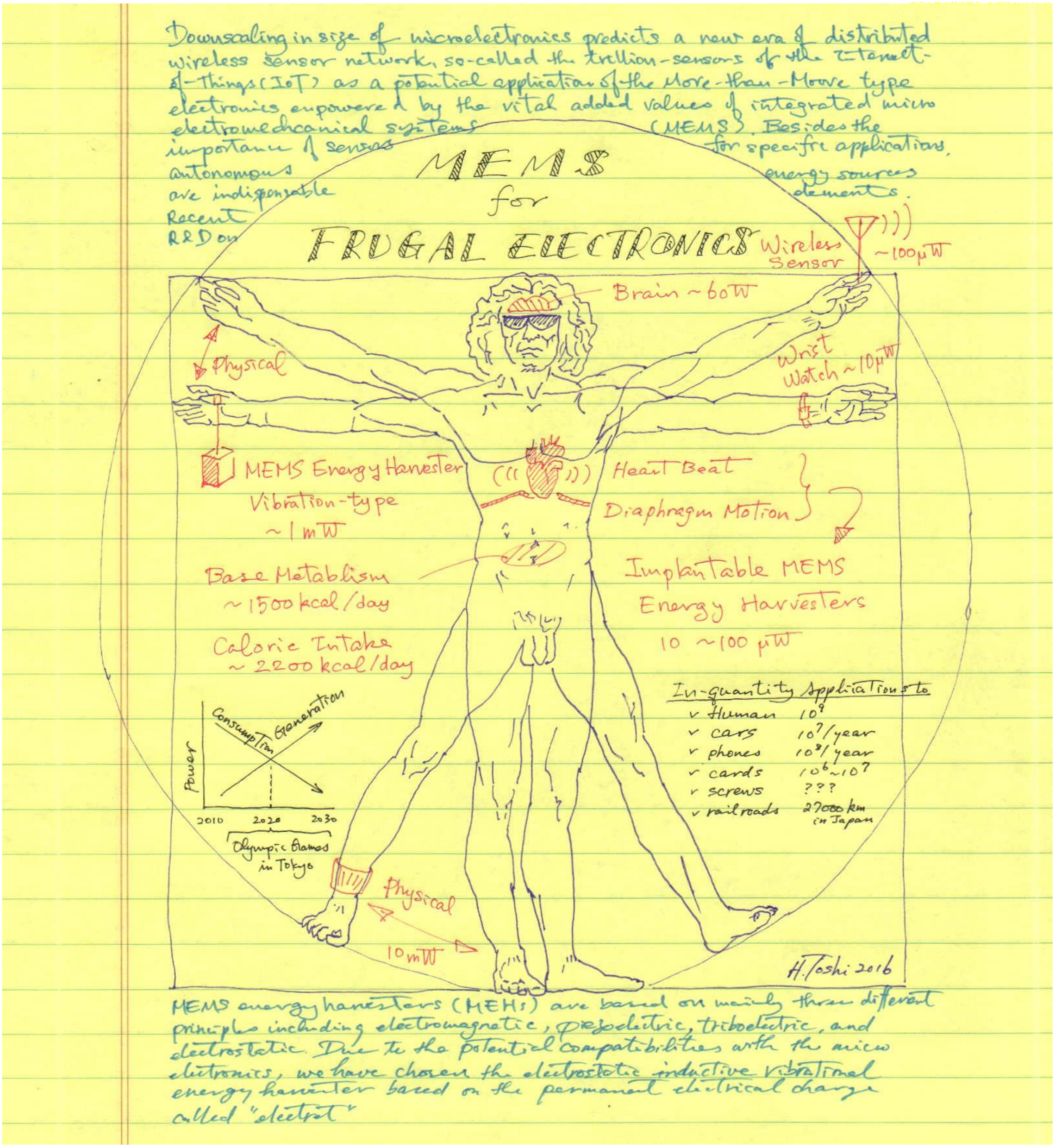
Micromachine System Engineering (IIS), Micro Device Engineering (RCAST)

Dept. Electrical Engineering and Information Systems (EEIS), School of Engineering
Also with Dept. Department of Advanced Interdisciplinary Studies (AIS), School of Engineering



MEMS energy harvesters (MEHs) are based on mainly three different principles including electromagnetic, piezoelectric, triboelectric, and electrostatic. Due to the potential compatibilities with the micro electronics, we have chosen the electrostatic inductive vibrational energy harvester based on the permanent electrical charge called "electret"