

Curriculum Vitae

BARRY WOODS JOHNSTON

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ADDITIONAL ACHIEVEMENTS

- 2013 Partnered with the Gas Technology Institute to pursue a DOE grant to build a 25-kW engine to achieve breakthrough 51% efficiency in generating electricity from heat.
- 2012 Built feasibility model of innovative heat engine, tested and achieved proof-of-principle.
Formed R&D team, including Dr. Yunho Hwang, Associate Director of the Center for Environmental Energy Engineering (CEEE) at the University of Maryland
Approved for Maryland Industrial Partnership (MIPS) R&D grant.
Attended 15 seminars on clean technology and innovation start-up management skills.
Completed writing and published artist's memoir as a novel, *As We Sow*.
- 2011 Formed R&D team, including Dr. Chandrasekhar Thamire, Distinguished Professor Clark School of Engineering, UMD; applied for DOE-STTR award for CSP development.
- 2010 Performed original classical compositions at Yamaha's invitational *Berlin International Amateur Piano Competition*, Berlin, Germany.
Formed R&D team, including Associate Research Professor Sergui Dessiatoun and Dr. Amir Shoostari, Department of Mechanical Engineering, University of Maryland.
- 2009 Created company to develop artist's heat engine invention. See www.soonysystems.com
Artist awarded 15 related patents with 19 pending between 1986 and 2012
- 2008 Performed at Yamaha's invitational *Berlin International Amateur Piano Competition*, classical, Berlin, Germany.

Ongoing:

Artist teaches drawing and apprentices students who want to learn his sculptor skills.

Artist practices piano daily and challenges himself to learn new classical compositions, as well

as composing original works.

Artist practices German, Italian and Chinese languages.

Artist maintains regime of walking every day and playing energetic tennis with competitive players 1-2 times per week.