Established in memory of Harlan D. Mills to recognize researchers and practitioners who have demonstrated long-standing, sustained, and impactful contributions to software engineering practice and research through the development and application of sound theory. The award consists of a $3,000 honorarium, plaque, and a possible invited talk during the week of the annual International Conference on Software Engineering (ICSE), co-sponsored by the IEEE Computer Society Technical Council on Software Engineering (TCSE).

2018 Recipient: Gail Murphy
"For outstanding research on understanding software-development practices and tools that improve the productivity of developers"

The award nomination requires at least 3 endorsements. Self-nominations are not accepted. Nominees/nominators do not need to be IEEE or IEEE Computer Society members.