

Elie Track: Rethinking the Computer

March 26, 2013 (HP56). The IEEE „Institute Alert“ or “TAlert” of today features a popular article on “Elie Track: Rethinking the Computer” by Susan Karlin. Elie is the President of the IEEE Council on Superconductivity and Senior Partner of HYPRES, a superconducting electronics company in Elmsford, N.Y., USA. He co-chairs the IEEE [Rebooting Computing Working Group](#). The full text of the popular article is accessible [here](#). Aiming at the broad electrical engineering community, it represents a rare, but most needed update on thus far barely supported efforts leading to energy-efficient superconducting computers and supercomputers having data rates exceeding those of CMOS computers by one to two orders of magnitude.

The “IEEE Rebooting Computing Working Group” starts with a small number of activities, such as developing a Web portal and organizing workshops to engage participants, as well as creating a community for them and finding ways for the community to grow. The group plans to launch a website to provide data, list upcoming workshops and conferences, and provide a forum for discussion, comments, and other input from IEEE members.