Wither Superconductivity for Electric Power?

As we encounter the 27th year following the historic 1988 M2S conference “over the hill” in Interlaken, two issues remain for the future: 1) Is the pairing mechanism primarily “shakes or spins,” and 2) when will the Bednorz-Mueller discovery enable the electricity enterprise of the future? Both are cosmic. In this talk, we will address both, the first very, very briefly in the context of DFT models of phonon mediated pairing (for more, see our poster submission), and the second in much more detail, reviewing past and current efforts worldwide, and compelling opportunities to surface in the future, especially related to dual use of emerging worldwide natural gas pipeline rights-of-way to transport both chemical and electronic energy resources to sustain the human condition.