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Super-PIRE: International Consortium for Proving Novel Superconducors[1]

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The Super-PIRE project aims to study high-Tc cuprates, FeAs, heavy-ferimon and other unconventional superconductors by using neutron scattering, muon spin relaxation, X-ray scattering, optical conductivity, ARPES and STM measurements in international collaboration. The project includes US PI's Billinge, Pasupathy, Uemura (Columbia), amd Dai (UTK/ORNL), Project Patner (PP) Balatsky (LANL), and foreign PI's Uchida, Tajima, Maekawa, Eisaki (Japan), Hayden (UK), Wang (China), Luke (Canada), and about 40 additional "Local Experts" from institutions of the PI/PP's. In this talk, we introduce the organization of the project, initial scientific products including 4 papers published in Nature group journals, and the out-reach effort centered in organizing special graduate and undergraduate courses at Columbia recorded as voice-synchronized ppt presentations, and then broadcasted in a class-room of Tokyo University. Homepage address: http://www.phys.utk.edu/superpire/members.html

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