



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

11-13 August 2015
Aberdeen, Scotland, UK

Speaker of Session 24

ENERGY IMPACT OF SUPERCONDUCTORS



Jacob Rodnizki is a senior scientist at Soreq NRC. He is working at Soreq Applied Research Accelerator Facility (SARAF). SARAF is the first superconducting linac that applied superconducting half Wave Resonators at low beta which is vital for continuous Wave (CW) high current linac. Jacob had a fruitful cooperation with RI (former ACCEL) that build phase I of the accelerator (a 4 mA CW 5 MeV proton/ deuteron superconducting accelerator and now he is working in strong cooperation with the national laboratories that are involve in the design of phase II of SARAF (extended for a 5 mA 50 MeV superconducting linac) in the fields of beam dynamics and cavity design.

