

POSTER

MOSEM Project – Experiments on Magnetism, Electromagnetism and Superconductivity

Josef Trna & Petr Novak
Faculty of Education, Masaryk University, Brno, Czech Republic
trna@ped.muni.cz

Abstract. *The MOSEM project aims to promote lifelong training of active science teachers at the upper secondary level, in order to update them with modern pedagogical principles for learning physics. It also aims to furnish school laboratories with simple experiments on magnetism and electromagnetism as well as experiments on modern applications of superconductivity. The involvement of top-level national universities, working on didactics methods, will assure teachers with experimental kits and knowledge through a wide pallet of methodological skills based on active learning. Main outcomes of the project are: low-level kit, high-level kit, teacher training seminars, photo and video database of experiments.*

Keywords. Electromagnetism, Experimental kits, School experiment, Superconductivity, Teacher training.