



BNS | ENGIE | SCK·CEN Technical Workshop on BR2 past and future

Final Programme

This workshop is intended to introduce the unique features of the Belgian Reactor 2, the most performing operating material test reactor in Europe today. A selected panel of experts from the operator and user community will highlight the different trends in current R&D for applications of nuclear technology and how the BR2 reactor is contributing in scientific and technological areas, such as energy production and safety, medical applications of nuclear technology and cutting edge fundamental physics.

Hour	Title / Topic	Expected lecturer
9:00	Introduction on BNS and ENGIE workshops	S. Shihab (BNS); A. Pirard (ENGIE)
9:15	Introduction to the BR2 reactor	S. Van Dyck
9:45	The safety case for aged reactor vessels with production defaults	R. Gerard (ENGIE)
10:15	Predicting material degradation in support of ageing analysis of reactor vessels	M. Scibetta
10:45	Coffee break	
11:00	Selecting the materials for future energy sources: fusion reactor materials under irradiation	D. Terentyev
11:30	Using research reactors for fundamental science: in search for the sterile anti-neutrino	N. Vanremortel (UA)
12:00	Lunch break	
13:30	Test reactor irradiations in support of power reactor fuel research and development	M. Verwerft
14:00	Making the world a safer place: reducing the use of highly enriched uranium	S. Van Dyck
14:30	The production of radio-isotopes in the BR2: past performance and future prospects	B. Ponsard
15:00	Coffee Break	
15:30	Biological effects of radiation: the use of radiopharmaceuticals to kill tumors	S. Baatout
16:00	The beneficial use of Radiations in medical applications: a Belgian approach	Roland Hustinx (BelNuc)
16:30	Closure of the workshop	V. Massaut
16:45	Drink - Networking	