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|--|---|----------------------------------|
| <b>1. Man, organisation and society</b>          |   |                                  |
| MANSCU   | Managing safety culture throughout the lifecycle of nuclear plants                                      | Pia Oedewald, VTT                |
| SAFEX2014  | Sustainable and future oriented expertise   | Eerikki Mäki, Aalto              |
| SISIANS  | Signalled and silenced aspects aspects of nuclear safety  | Marja Ylönen, Jyväskylä Univ.    |
| <b>2. Automation and control room</b>            |   |                                  |
| CORSICA  | Coverage and rationality of the software I&C safety assurance   | Timo Varkoi, Spinnet             |
| HACAS  | Human-automation collaboration in incident and accident situations                                      | Jari Laarni, VTT                 |
| SARANA   | Safety evaluation and reliability analysis of nuclear automation  | Janne Valkonen, VTT              |
| SAREMAN  | Safety requirements specification and management in nuclear power plants                                | Teemu Tommila, VTT               |
| IFAPROBE   | Identification of fault situations propagating between different systems and disciplines                | Nikolaos Papakonstantinou, Aalto |
| <b>3. Fuel research and reactor analysis</b>     |   |                                  |
| CRISTAL  | Criticality safety and transport methods in reactor analysis  | Karin Rantamäki, VTT             |
| KOURA  | Three-dimensional reactor analyses  | Elina Syrjälahti, VTT            |
| KÄARME   | Development of Finnish Monte Carlo reactor physics code   | Jaakko Leppänen, VTT             |
| NEPAL  | Neutronics, nuclear fuel and burnup   | Jarmo Ala-Heikkilä, Aalto        |
| PALAMA   | Extensive fuel modelling  | Ville Tulkki, VTT                |
| <b>4. Thermal hydraulics</b>                     |   |                                  |
| ESA  | Enhancement of safety evaluation tools  | Ismo karppinen, VTT              |
| EXCOP  | Experimental studies on containment phenomena   | Markku Puustinen, LUT            |
| NUFOAM   | OpenFOAM CFD-solver for nuclear safety related flow simulations   | Timo Pättikangas, VTT            |
| NUMPOOL  | Numerical modelling of condensation pool  | Timo Pättikangas, VTT            |
| PAX  | PWR PACTEL experiments  | Vesa Riikonen, LUT               |
| SGEN   | Modelling of pressure transients in steam generators  | Timo Pättikangas, VTT            |
| UBEA   | Uncertainty evaluation for best estimate analyses   | Joona Kurki, VTT                 |
| SPEFU  | Thermal hydraulics and fuel integrity in spent fuel dry cask interim storage facility                   | Risto Huhtanen, VTT              |
| <b>5. Severe accidents</b>                       |   |                                  |
| COOLOCE-E  | Core debris coolability and environmental consequence analysis  | Eveliina Takasuo, VTT            |
| FISKES   | Chemistry of fission products   | Tommi Kekki, VTT                 |
| TERMOSAN   | Thermal hydraulics of severe accidents  | Tuomo Sevón, VTT                 |
| TRAFI  | Transport and chemistry of fission products   | Teemu Kärkelä, VTT               |
| VESPA  | Reactor vessel failures, vapour explosions and spent fuel pool accidents                                | Anna Nieminen, VTT               |
| PCCS   | Passive Containment Cooling System tests  | Juhani Vihavainen, LUT           |
| <b>6. Structural safety of reactor circuits</b>  |   |                                  |
| ENVIS  | Environmental influence on cracking susceptibility and ageing of nuclear materials                      | Ulla Ehrnstén, VTT               |
| FAR  | Fracture assessment of reactor circuit  | Juha Kuutti, VTT                 |
| MAKOMON  | Monitoring of the structural integrity of materials and components in reactor circuit                   | Tarja Jäppinen, VTT              |
| RAIPSYS  | RI-ISI analyses and inspection reliability of piping systems  | Otso Cronvall, VTT               |
| SURVIVE  | Advanced surveillance technique and embrittlement modelling   | Matti Valo, VTT                  |
| WAPA   | Water chemistry and plant operating reliability   | Timo Saario, VTT                 |
| FRESH  | Fatigue affected by residual stresses, environment and thermal fluctuations                             | Heikki Keinänen, VTT             |
| RICO   | Heavy fouling and corrosion risks in the cooling water systems of NPPs and methods for their mitigation | Essi Velin, VTT                  |
| <b>7. Construction safety</b>                    |   |                                  |
| IMPACT2014                                       | Impact 2014   | Ari Vepsä, VTT                   |
| MANAGE   | Aging management of concrete structures in nuclear power plants   | Miguel Ferreira, VTT             |
| SMASH  | Structural mechanics analyses of soft and hard missiles   | Arja Saarenheimo, VTT            |
| SESA   | Seismic safety of nuclear power plants. Targets for research and education.                             | Ludovic Fülöp, VTT               |
| <b>8. Probabilistic risk analysis (PRA)</b>      |   |                                  |
| EXWE   | Extreme weather and nuclear power plants  | Kirsti Jylhä, FMI                |
| LARGO  | Risk assessment of large fire loads   | Anna Matala, VTT                 |
| PRADA  | PRA development and application   | Ilkka Karanta, VTT               |
| FINPSA-TRANSFER                                  | FinPSA knowledge transfer   | Teemu Mätäsniemi, VTT            |
| <b>9. Development of research infrastructure</b> |   |                                  |
| ELAINE   | Enhancement of Lappeenranta instrumentation of nuclear safety experiments                               | Arto Ylönen, LUT                 |
| REHOT  | Renewal of hot cell infrastructure  | Wade Karlsen, VTT                |