

CALL # 2019-1-RD-EMMA- SMPA

The Joint Research Center of the European Commission (JRC) has opened access to its Structural Materials Performance Assessment Laboratory (SMPA) used for the mechanical performance characterisation, life assessment and qualification of structural materials for present and next generation nuclear systems.

Opening of the call: 2019-11-15

Closure of the call: 2020-01-31

Location: JRC, Petten, The Netherland

The following equipment is available:

- ✓ Universal Tensile test Machines;
- ✓ Charpy Hammer;
- ✓ Creep test machines

Priority topics:

- Safety and reliability of nuclear components
- Support to the development and adaptation of European Codes and Standards
- Development of test procedures and instrumentation with available test equipment to achieve simpler, more reliable or non-standard tailored data and estimates for material properties
- Prediction of design life of new materials and remaining life of service-exposed materials including welded joints.
- Characterization of tensile and creep and creep-fatigue properties of new and service-exposed materials using standard and miniaturized specimen tests

Details: <https://ec.europa.eu/jrc/en/research-facility/open-access/relevance-driven/2019-1-rd-emma-smpa>