

PRESENTATION

Instituto de Engenharia Nuclear – IEN – a nuclear research institute attached to Comissão Nacional de Energia Nuclear (CNEN), a federal autarchy linked to Ministério da Ciência Tecnologia, Inovações e Comunicações (MCTIC).

Once again our Institute presents its contribution to research and development through a well established tool: Progress Report IEN, year 2018.

This fourth edition, the second totally online, bring out our outcomes, from 2015 to 2017, dimensioned in eight thematic areas: Application of Nuclear Techniques in Industry, Health and Environment, Nuclear Chemistry and Radiochemistry, Virtual Reality applied to the Nuclear Area, Nuclear Knowledge Management, Nuclear Instrumentation Development, Technology Development for Complex Systems, Engineering and Reactor Safety, Development and characterization of Functional and Structural Materials for the Nuclear Industry.

This work presents our researchers' contributions, through the period, introducing summaries of their activities, to favor the knowledge creation, sharing and conservation in order to form a wealthy research and development environment and span our functional or organizational boundaries.

With this Progress Report 2018 we are also refining one more cycle of IEN's governance and concluding a relevant process of knowledge propagation and sharing.

Finally, it must be stressed that all these results were accomplished as a result of the efforts and dedication of the IEN staff and the support from CNEN, MCTIC, IAEA, CAPES, FAPERJ and CNPq, that enables us to develop significant nuclear engineering and technology to benefit the Brazilian society.