



Giacomo Grasso

Work :

Email:

Phone: (+39)

Gender: Male Date of birth:

Nationality: Italian

WORK EXPERIENCE

[1 May 2021 – Current]

Head of "Design and technical support for nuclear safety, security and sustainability" laboratory

Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)

City: Bologna

Country: Italy

Responsibilities:

- Coordination of ENEA activities dealing with core design and analysis and fuel cycle analysis and optimization
- Coordination of ENEA research and development activities dealing with core design and analysis

[23 Dec 2010 – Current]

Researcher

Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)

City: Bologna

Country: Italy

Responsibilities:

- In the frame of international organizations:
 - Italian delegate to the OECD/NEA's Nuclear Science Committee (NSC) since 2021
 - Italian delegate to the Working Party on Scientific Issues of the Fuel Cycle (WPFC) of the OECD/NEA's NSC since 2016
 - Italian delegate to the Working Party on Scientific Issues and uncertainty analysis of Reactor Systems (WPRS) of the OECD/NEA's NSC since 2021
 - Italian delegate to the Expert Group on Physics of Reactor Systems (EGPRS) of the OECD/NEA's NSC-WPRS since 2021
 - Italian delegate to the IAEA's Fast Reactors Knowledge Preservation Initiative (FRKPI) since 2016
 - Italian delegate to the Working Group on New Technologies (WGNT) of the OECD/NEA's CNRA since 2022
 - Italian delegate to the Working Group on the Safety of Advanced Reactors (WGSAR) of the OECD/NEA's CNRA from 2020 to 2022
 - ENEA's delegate to the SNETP's European Sustainable Nuclear Industrial Initiative (ESNII) since 2021
- In the frame of collaborative research projects:
 - Coordinator of the Euratom H2020 "PASCAL" project (November 2020 – October 2024, 16 partners, 426 person months, project budget 4,610,000 €)
 - Leader of 3 Tasks on ALFRED core safety in the Euratom FP7 "ESNII+" project (September 2013 – August 2017)
 - Leader of Work Package 1 "ALFRED supporting skills and infrastructures" in the Euratom FP7 "ARCADIA" project (November 2013 – October 2016)
 - Leader of Work Package 2 "Core design" in the Euratom FP7 "LEADER" (July 2011 – September 2013)
- In the frame of service contract agreements:

- Contract manager and scientific manager for 1 commercial service agreement by *newcleo* s.r.l. for the core design and analysis of the LFR-AS-200 and LFR-AS-30
- Contract manager and scientific manager for 3 commercial service agreements by Westinghouse Electric Company L.td for the core design and analysis of the Westinghouse LFR
- Contract manager and scientific manager for 2 commercial service agreements by Hydromine Inc. for the core design and analysis of the LFR-AS-200 and LFR-TL-5
- Contract manager and scientific manager for 1 commercial service agreement by *Empresarios Agrupados Internacional* for the delivery of a technical seminar on the LFR technology to UK's Office for Nuclear Regulation
- In the frame of ENEA's internal activities:
 - Coordinator of the "Innovative lead-cooled reactors" Task Force within the FSN department (June 2020 – ongoing)
 - Technical secretariat for the working group coordinating the participations of ENEA's experts to international organizations in the nuclear field (2011 – 2013)

Activities:

- Technical coordination of activities on core design and analysis and fuel cycle analysis and optimization
- Core design
- Neutronic analysis
- Fuel cycle analysis and optimization
- Scientific codes development, verification and validation

[7 Oct 2020 – 17 Oct 2020]

External consultant

International Atomic Energy Agency (IAEA)

City: Vienna

Country: Austria

Consultancy on technical aspects of Lead-cooled Fast Reactor systems in support to the development of a "technology neutral safety and regulatory framework" for the applicability of IAEA's "Safety Standards" to SMRs

[Jan 2009 – Dec 2010]

Contract professor

"Alma Mater Studiorum" University of Bologna

City: Bologna

Country: Italy

Teaching of the module "Deterministic and Monte Carlo codes applied to neutronics" in three editions of the second-level post-graduate course "Design and Management of Advanced Nuclear Systems"

[31 Aug 2010 –
21 Dec 2010]

External collaborator

SIET S.p.A.

City: Piacenza

Country: Italy

Studies for the conceptualization and characterization of models, and for the analysis of static and dynamic parameters, for an LFR-type nuclear reactor and its demonstrator

EDUCATION AND TRAINING

[1 Jan 2007 – 8 May 2010]

PhD in Nuclear Engineering

"Alma Mater Studiorum" University of Bologna

Address: v. Zamboni, 33, 40126, Bologna, Italy

[Sep 1998 – 6 Jul 2006]

MS in Nuclear Engineering (with honors)

"Alma Mater Studiorum" University of Bologna

Address: v. Zamboni, 33, 40126, Bologna, Italy

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Scientific analysis

Monte Carlo Simulation | ERANOS Simulation

Development

FORTRAN programming | Scripting in Python and/or Bash

Information

Operating system: Linux, Unix and Windows | Microsoft Office

NETWORKS AND MEMBERSHIPS

[Dec 2016 – Dec 2019]

Associate editor

ASME's Journal of Nuclear Engineering and Radiation Science (JNERS)

[2016 – Current]

Member of the Editorial Advisory Group

RATEN ICN's Journal of Nuclear Research and Development (JNRD)

The undersigned Giacomo Grasso, in compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003 authorizes the use and process of his personal details contained in this document.

Bologna, 26 Jun 2023



Giacomo Grasso