



Andrea Salvini

● WORK EXPERIENCE

01/09/2012 – CURRENT Pavia, Italy

RESEARCH CENTER MANAGER UNIVERSITY OF PAVIA

- Nuclear Research Reactor Manager
 - Develop the center policy and strategic plan discussed by the scientific committee
 - Technical Director of a 250kW TRIGA nuclear research reactor
 - Development of research reactor utilization
 - Director of the Nuclear Emergency committee
 - Responsible of the Analysis and measures service
- Site representative: Additional Protocol and Euratom safeguards
- Budget management
- Human resources management
- University radioprotection unit responsible
- Technical Director of 18MeV cyclotron for ^{18}F production

Address Via Aselli 41, 27100, Pavia, Italy

01/10/2023 – CURRENT Pavia, Italy

BOARD OF LECTURERS MEMBER - UNIVERSITY SECOND LEVEL MASTER IN RADIOPROTECTION UNIVERSITY OF PAVIA

- As board of lecturers member, responsible for the organization and overall functioning of the course
- Adjunct Professor
- Organizing Secretariat responsible

01/09/2023 – CURRENT Pavia, Italy

EUROPEAN NUCLEAR EXPERIMENTAL EDUCATIONAL PLATFORM (ENEEP) COURSES COORDINATOR IN PAVIA UNIVERSITY OF PAVIA

- Develop course program
- Organizing Secretariat responsible

01/05/2021 – 30/04/2023 Pavia, Italy

ERASMUS+ LOCAL PROJECT LEADER UNIVERSITY OF PAVIA

Partnership for Distance Nuclear Education – removing social barriers Through new Technology
PADINE - TT

- Oversee the preparation of distance experimental education and exercises
- Control the drawing of the budget throughout the whole project duration
- Monitor and check all eligible cost

01/01/2015 – CURRENT Pavia, Italy

INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA) FELLOWSHIPS COORDINATOR IN PAVIA UNIVERSITY OF PAVIA

Develop the scientific program of the fellowship

01/01/2003 – 31/12/2014 Pavia, Italy

ADJUNCT PROFESSOR I.U.S.S. UNIVERSITY INSTITUTE OF ADVANCED STUDIES

- Education
 - Decommissioning of nuclear facilities: case study
 - Design of laboratories using Radioactive substances
 - Radiation Instruments
- Tutor for trainees in:
 - E&T procedure
 - NAA
 - Reactor Procedures

19/02/2024 – 23/02/2024 Vienna, Austria

IAEA EXPERT MISSION IAEA

- Review of reactor management Systems, Operating procedures, Maintenance plans, Ageing Management Provisions, and other topics
- Discuss and clarify those topics with the Local Staff at the site, and provide inputs for the report

13/05/2023 – 17/05/2023 Vienna, Austria

IAEA EXPERT MISSION IAEA

- Provide technical expertise for the review of utilization of the research reactors.
- Review areas: Key performance indicators for utilization, Human capacity building for low power research reactor.
- Interviews with reactor management, reactor staff responsible for operation and reactor staff responsible for reactor utilization.
- Make a critical evaluation of the documents and interviews in the area of Human capacity building for low power research reactor.
- Assist in elaborating the Mission Report with the above items and the summary of activities and conclusions.

07/06/2023 – CURRENT Palermo, Italy

CONSULTANT UNIVERSITY OF PALERMO

Technical Director and Emergency Director of the University's nuclear research reactor AGN 201 "Costanza"

27/06/2022 – 01/07/2022 Vienna, Austria

IAEA EXPERT MISSION IAEA

- Review the documents and procedures of the research reactor and provide the counterparts with technical advice based on the IAEA safety standards to develop an integrated management system
- Development of a project plan on establishing of an integrated management system, development of sample processes, and advice on establishing an effective safety culture.
- Provide examples of an integrated management system for a research reactor operating organization.
- Participate in the discussions during the mission and contribute to development of the mission report that includes recommendations and suggestions on development and implementation of the integrated management system.

01/03/2021 – 31/12/2021 Ispra, Italy

CONSULTANT JOINT RESEARCH CENTRE (JRC) - ISPRA

Support services in performing and independent evaluation of some procedures used in the operation of nuclear installation

24/05/2021 – 24/05/2022 Roma, Italy

CONSULTANT AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE (ENEA)

Technical Director of the nuclear reactors

01/01/2017 – 31/12/2020 Ispra, Italy

CONSULTANT JOINT RESEARCH CENTRE (JRC) - ISPRA

Substitute of the Technical Director of the nuclear reactor

01/07/2014 – 31/12/2014 Ispra, Italy

CONSULTANT JOINT RESEARCH CENTRE (JRC) - ISPRA

Substitute of the Technical Director of the nuclear reactor

01/01/2003 – 31/12/2005 Ispra, Italy

CONSULTANT JOINT RESEARCH CENTRE (JRC) - ISPRA

Substitute of the Technical Director of the nuclear reactor

01/01/2002 – 31/08/2012 Pavia, Italy

DIRECTOR DEPUTY UNIVERSITY OF PAVIA

- Assist the Reactor Manager in
 - Reactor Operation in respect of safety requirements
 - Human resources management optimization

01/01/2000 – 31/12/2001 Pavia, Italy

RADIOPROTECTION SERVICE HEAD UNIVERSITY OF PAVIA

- Monitoring the impact of the reactor activities on environment.
- Coordination of the radioprotection activities and instruments check
- Supervisor of TRIGA nuclear research reactor

01/01/1996 – 31/12/1997 Novedrate, Italy

CONSULTANT SISTEMA AMBIENTE SRL

Health and Safety risk assessment

01/04/1998 – 31/12/1999 Pavia, Italy

ANALYST UNIVERSITY OF PAVIA

- Radioprotection activity and instruments check
- Analyst of the analysis service

● **EDUCATION AND TRAINING**

1989 – 1996 Pavia, Italy

DEGREE IN CHEMISTRY University of Pavia

Website <https://portale.unipv.it/it>

● **ADDITIONAL INFORMATION**

PUBLICATION

CURRENT

last 5 years

2023

[Chromatographic separation of silver-111 from neutron-irradiated palladium target: toward direct labeling of radiotracers](#)

M Tosato, A Gandini, S Happel, M Bas, A Donzella, A Zenoni, A Salvini, ...
EJNMMI Radiopharmacy and Chemistry 8 (1), 43

[Production and characterization of 111Ag radioisotope for medical use in a TRIGA Mark II nuclear research reactor](#)

L Morselli, A Donzella, A Arzenton, M Asti, S Bortolussi, S Corradetti, ...

Applied Radiation and Isotopes 197, 110798

[The new INFN-CHNet neutron imaging facility](#)

N Gelli, L Giuntini, F Cantini, O Sans-Planell, M Magalini, M Manetti, ...

Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment

[A complete CFD study on natural convection in the TRIGA Mark II reactor](#)

C Introini, D Chiesa, M Nastasi, E Previtali, A Salvini, M Sisti, X Wang, ...

Nuclear Engineering and Design 403, 112118

2022

[Fast and non-destructive neutron activation analysis for simultaneous determination of TiO₂ and SiO₂ in sunscreens with attention to regulatory and research issues](#)

E Sabbioni, S Manenti, R Magarini, C Petrarca, AMG Poma, G Zaccariello, ...

Analytica Chimica Acta 1200, 339601

2021

[Assessment of the integrated mass conservative Kalman filter algorithm for Computational Thermo-Fluid Dynamics on the TRIGA Mark II reactor](#)

C Introini, D Chiesa, S Lorenzi, M Nastasi, E Previtali, A Salvini, M Sisti, ...

Nuclear Engineering and Design 384, 111431

[Detectors and cultural heritage: The INFN-CHNet experience](#)

L Giuntini, L Castelli, M Massi, M Fedi, C Czelusniak, N Gelli, L Liccioli, ...

Applied Sciences 11 (8), 3462

[Ageing at the TRIGA MK II research reactor of the University of Pavia: management and practical applications](#)

JA Gandini, AM Condino, A Salvini

2020

[Conventional Fast Neutron Flux Measurement in the Radial Piercing Channel D of the TRIGA Mark II Reactor, Pavia](#)

M Di Luzio, G D'Agostino, S Fatemi, B Smilgys, A Salvini, M Oddone, ...

NENE 2020 Conference Proceedings

2019

[Degradation of EPDM and FPM elastomers irradiated at very high dose rates in mixed gamma and neutron fields](#)

M Ferrari, S Pandini, A Zenoni, G Donzella, D Battini, A Avanzini, A Salvini, ...

Polymer Engineering & Science 59 (12), 2522-2532

[Experimental study of consistency degradation of different greases in mixed neutron and gamma radiation](#)

M Ferrari, A Zenoni, M Hartl, Y Lee, A Andrighetto, A Monetti, A Salvini, ...

Heliyon 5 (9)

[Vertical variations of flux parameters in irradiation channels at the TRIGA Mark II reactor of Pavia](#)

M Di Luzio, G D'Agostino, M Oddone, A Salvini

Progress in Nuclear Energy 113, 247-254

[Instrumental neutron activation analysis \(INAA\) and liquid chromatography \(LC\) coupled to high resolution mass spectrometry \(HRMS\) characterisation of sildenafil based products ...](#)

FS Romolo, A Salvini, F Zelaschi, M Oddone, S Odoardi, S Mestria, ...

Forensic Science International: Synergy 1, 126-136