

# Curriculum Vitae

## Personal Information

Name/Surname **CIUREA-ERCAU Cantemir**

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Nationality Romanian

Date of birth August 26, 1972

Gender Male

Marital status Married

Telephone + 40 741 559 727

## Professional experience

Period January 2022 – present

Position State Secretary, President of CNCAN

Name and address of the employer National Commission for Nuclear Activities Control (CNCAN)

Period February 2021 – January 2022

Position Interim President of CNCAN

Name and address of the employer National Commission for Nuclear Activities Control

Period 2009 – 2021

Position Director

Name and address of the employer Nuclear Fuel Cycle Division, CNCAN

Type/field of activity Management of regulation, licensing and inspection activities for nuclear installations.

Period 2004 – 2009

Position Head of the Nuclear Safety Section

Name and address of the employer	Nuclear Safety Section, CNCAN
Type/field of activity	<ul style="list-style-type: none"> <li>- Development of national regulations on the design of safety systems for nuclear power plants, periodic safety review and probabilistic safety assessment; development of national regulations on siting, design, construction and commissioning of new power reactors;</li> <li>- Development of licensing requirements for Cernavoda NPP Units 1 and 2;</li> <li>- Development of regulatory inspection plans and management of inspection activities during commissioning of Cernavoda NPP Unit 2;</li> <li>- Regulatory review and assessment of Cernavoda NPP Unit 2 Commissioning Programme (processes, procedures, safety objectives); performing inspections and witnessing of commissioning tests during Cernavoda NPP Unit 2 commissioning;</li> <li>- Development of pre-licensing requirements for completion of Cernavoda NPP Unit 3 and 4 projects;</li> <li>- Management of licensing activities for Cernavoda NPP, TRIGA and VVRs research reactors;</li> <li>- Licensing of management staff and operating staff (control room operators and shift supervisors) for nuclear installations;</li> <li>- Review and assessment of procedures developed for the Periodic Safety Review programme for Cernavoda NPP Unit 1;</li> <li>- Participation, as a counterpart, in the IRRT and IRRS missions conducted for CNCAN.</li> </ul>
Period	2000 – 2004
Position	Safety Analyst
Name and address of the employer	CNCAN
Type/field of activity	<ul style="list-style-type: none"> <li>- Regulatory review and assessment of licensing documentation for Cernavoda NPP (Preliminary and Final Safety Analysis Reports, prerequisites for licensing activities);</li> <li>- Review and assessment of design changes for Cernavoda NPP Unit 1 and Unit 2;</li> <li>- Independent review of safety analyses;</li> <li>- Nuclear events investigations for Cernavoda NPP;</li> <li>- Review and assessment of Safety Reports for Spent Fuel Interim Dry Storage Facility;</li> <li>- Safety review and surveillance activities for TRIGA and VVRS research reactors.</li> </ul>
Period	1996 – 2000
Position	Engineer

Name and address of the employer	Energy Research and Modernization Institute (ICEMENERG)
Type/field of activity	<ul style="list-style-type: none"> <li>- Engineering studies for optimization of thermal cycle for thermal and nuclear power plants;</li> <li>- Design and conduct of commissioning and performance tests for thermal power plants;</li> <li>- Feasibility studies for thermal power plants modernization;</li> <li>- Development of installations/operating manuals for thermal power plants;</li> <li>- Design and implementation of modifications for thermal power plants.</li> </ul>
<b>Education and training</b>	
Period	2000 - present
Qualification/ graduation awarded	Participation in various training courses, workshops, fellowships and scientific visits in the area of nuclear safety organized in the framework of the IAEA Technical Cooperation Programmes
Period	October 2010 - present
Qualification/ graduation awarded	University "POLITEHNICA" of Bucharest, Romania Doctoral studies in nuclear engineering
Period	October 1996 - July 1997
Qualification/ graduation awarded	Power Engineering Faculty, University "POLITEHNICA" of Bucharest M.Sc. in Computed Aided Modeling of Power Generation Systems
Period	October 1991 - July 1996
Qualification/ graduation awarded	Power Engineering Faculty, University "POLITEHNICA" of Bucharest, Romania B.Sc. in Power Generation Systems
<b>Other skills</b>	<ul style="list-style-type: none"> <li>- Extensive knowledge of international standards, guidelines and good practices applicable to the nuclear regulatory authorities and to the nuclear industry, including the IAEA Safety Standards;</li> <li>- Project management;</li> <li>- Computer literacy: Microsoft Office, Matlab, ANSYS, Autocad.</li> </ul>
<b>Native language</b>	Romanian

**Foreign languages**  
**English**

Understanding		Speaking		Writing
Listening	Reading	Conversation	Oral expression	Written expression
C2	C2	C2	C2	C2

First Certificate in English - CAMBRIDGE ESOL Examination

**Social skills and competences**

Initiative spirit; strategic mind, leadership, team spirit, good level of communication, coordination, planning and organization skills, attention given for details, interrogative attitude, critical mind, ability for adapt to multicultural environments, professional awareness, integrity, priority for the public interest.

**Technical skills and competences**

A good knowledge of the national and international legislation, of the nuclear safety regulations and technical standards as applicable to nuclear power plants. Knowledge of standards and practices for assessment and inspection in the field of nuclear safety. Practical experience in the regulation, authorization and control of nuclear installations and related activities. High experience in the analysis and evaluation of technical documentation for the authorization of nuclear installations, implementation of project modifications, authorization of practices in the nuclear field. Organizing and implementing inspection plans for licensing holders/applicants to carry out activities in the nuclear field.

**Computer skills and competences**

Use of Microsoft Office programs, Windows operating system, ANSYS specialized programs.

**Organizational skills and competencies**

Over 15 years of experience in coordinating the activities within a technical Section/Division within CNCAN. Experience in coordinating the activities for developing of nuclear safety regulations, strategies, action plans and national reports under the Nuclear Safety Convention. Experience in training the personnel for inspection activities.

**Publications**

Technical publications published in: internal and external reports, national and international publications or which have been presented at various national and international conferences in the nuclear field

**Other skills and competences**

- Participation, as National Coordinator, in the regular INES / IRS meetings
- Participation as expert in the IRRS (Integrated Regulatory Review Service) assessment missions, carried-out by the International Atomic Energy Agency (IAEA) to the regulatory authorities of Slovenia, Finland, Norway, the Czech Republic, South Africa, Austria, the United Kingdom and Canada
- Participation, as expert, in the assessments related to the "stress tests" implemented for the nuclear power plants in Europe after the Fukushima accident
- Participation in international exercises "ConveEx-3" for the evaluation of CNCAN's response capacity in radiological emergencies situations and nuclear accident

- Participation as CNCAN member in the activities of the working groups within the NEA / OECD
- Participation as CNCAN member in the activities of the working groups within the European network "ClearingHouse"
- Participation Participation as member of the Romanian delegation in the meetings for reviewing the reports of the Contracting Parties to the Nuclear Safety Convention
- Participation in the meetings of the CANDU Senior Regulators Meetings
- Participation in the related activities of ENSREG nuclear safety working group

**Driving licence**

B category