

Analysis and Engagement on Non-electric and Cogeneration Applications of Nuclear Energy

Hosted by the GIF Education and Training Working Group

Join us on August 28, 2025, 14:30 CEST (UTC+2)

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This webinar will provide an overview of recent activities from the GIF Working Group on Non-Electric and Cogeneration Applications of Nuclear Energy (NECA WG). In particular, the speakers will highlight the history of using nuclear energy for non-electric applications, share findings from a recent report on the role of nuclear energy in the large-scale production of hydrogen for industrial applications, and share key insights from engagement activities with end users for a range of applications.

The speakers will highlight the NECA report “System Analysis: Hydrogen Production from Nuclear Energy”, which represents collaborative analysis from members of the NECA WG and the NEA Working Group on Hydrogen Value chains (H2VAL) on the opportunity to produce hydrogen through High Temperature Steam Electrolysis (HTSE) using a High Temperature Gas Reactor (HTGR). The speakers will share findings from this report, including economic estimates and expert insights on the opportunities and challenges to use nuclear energy for large hydrogen production systems.

The webinar will also share insights from an invitation-only Non-Electric and Cogeneration Virtual Workshop with End Users that was held on June 17-18, 2025. The webinar focused on identifying key challenges faced by industrial energy end-users in adopting non-electric and cogeneration applications of nuclear energy, and the challenges that need to be understood and addressed to regulate these systems.

Dr. Chukwudi Azih will be joined by Mr. Brent Wilhelm who is the technical secretary for the GIF NECA WG and analyst within the Nuclear Technology and Economics Division of the OECD Nuclear Energy Agency.

Dr. Patricia Paviet from PNNL, USA, member of GIF ETWG will facilitate this webinar and moderate the Q&A session that will be held in the second part of the webinar.

The GIF ETWG webinar series started in 2016 with over 100 webinars streamed since then. People from more than 80 countries have attended these webinars over the years. You can learn more about [previous webinars](#) and [ETWG activities](#) on the [GIF website](#).

Free webcast!

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Or scan the code

When:

August 28 - 2025
14:30 CEST (UTC+2)

Who should attend:

policymakers, industry professionals, regulators, researchers, students, general public

Speaker

Dr Chukwudi Azih

Dr Azih is a Senior Research Scientist at Canadian Nuclear Laboratories and heads a Section at CNL that performs experimental investigations on high temperature and pressure scenarios in current and advanced nuclear reactors. He serves in a leadership role, from a technical standpoint, in areas of heat removal and utilization from CANDU reactors, Generation-IV International Forum (GIF) fleet of reactor designs, and Small Modular Reactors (SMR). He is a Canadian representative in the Program Management Board for Thermal-Hydraulics and Safety of the GIF System Arrangement and in the Non-Electrical and Co-generation Applications of nuclear heat GIF Working Group. He applies his computational and experimental heat transfer expertise to lead efforts in developing technical understanding and facilities for active and passive heat removal systems for nuclear reactors, and thermal storage applications in integrated energy systems involving nuclear energy technology.

