

# Exploitation of Nuclear Energy: Scientific Discoveries & Political Conflicts

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Nuclear energy can be harnessed to produce electricity, promising at least a partial solution to our future energy needs; it may also be used to produce nuclear bombs - the terrifying spectre of the use of nuclear explosions as experienced in Nagasaki and Hiroshima is still vivid in the memory of the modern society. This dichotomy in the use of nuclear energy is the reason for the angst associated with the development of nuclear technology and has generated a lot of conflict and sanctions to stop technology transfer, dividing the world into de facto nuclear haves and have nots, where the former put up a lot of barriers to stop nuclear proliferation.

This panel under the theme “Technological tensions and conflicts” will present papers that will examine the relations among different nations with regard to the development of nuclear energy programs; these papers will also study how different nations have managed to cope with the sanctions and barriers against their nuclear energy programs, ranging from the mining of basic ingredients like radioactive materials, to their refinement and to the building of nuclear power plants or of a nuclear bomb arsenal or of missiles capable of delivering nuclear bombs.

Two papers and a commentator are being sought for this session. Those interested in presenting are asked to prepare a one-page abstract (250 words maximum) and one page CV (300 words maximum) with current contact information. Please send these materials to Dr. Baisakhi Bandyopadhyay ([archisbandyo@gmail.com](mailto:archisbandyo@gmail.com)) no later than March 26, 2023.