

Webinars on Nuclear Fusion Research

Participation is free for all interested.
The number of participants is limited to maximum 100.
The full programme is attached below.

The second webinar takes place on

Tuesday 5 October 2021, 16:00

where

**Dr. Alberto Loarte, Head of the ITER Science Division,
Science, Controls and Operation Department,
ITER Organization, Cadarache, France**

will present

**"Objectives and status of the ITER project,
the first fusion reactor under construction"**



Dr. Alberto Loarte is an expert in edge plasma physics of fusion devices. He has made significant contributions to the characterization and control of stationary and transient wall power fluxes in tokamaks. He has played a leading role in the development of the physics basis behind the design of the ITER tokamak and of its scientific exploitation (the ITER Research Plan). He is Head of the Science Division of the Science, Controls and Operation Department at the ITER Organization, in Saint Paul-lez-Durance, France.

ITER ("The Way" in Latin) is one of the most ambitious energy projects in the world today. Its goal is to demonstrate the scientific and technological feasibility of fusion power as an energy source for humankind. The webinar will describe : a) how this high-level goal will be demonstrated through a range of plasma scenarios in ITER addressing specific physics issues of fusion plasmas, b) the basis and the design of the ITER tokamak and the status of its construction and c) the plan for ITER's scientific exploitation to the demonstrate the project's goals.

Connection to the Webinar by Zoom link:

<https://us02web.zoom.us/j/85774373614?pwd=d05mMIJBTmRBN25vck41UHcvU29ldz09>

Meeting ID: 857 7437 3614 Passcode: 925343

The joint BPS-ISI Webinars are held on Wednesday afternoons at 16:00 to allow, in particular, the participation of secondary school teachers.

Exceptions to this fixed schedule are indicated in **red**

Each presentation lasts about 45 minutes, followed by questions/answers.

Full Programme of the BPS-ISI Joint Webinars on NUCLEAR FUSION RESEARCH

Wednesday 29 September 2021, 16:00

Dr. Julien Hillairet, Directeur de Recherches, Institut de Recherche sur la Fusion Magnétique, CEA Cadarache, France

"Introduction to nuclear fusion research"

Tuesday 5 October 2021, 16:00

Dr. Alberto Loarte, Head of the ITER Science Division, Science, Controls and Operation Department, ITER Organization, Cadarache, France

"Objectives and status of the ITER project, the first fusion reactor under construction"

Wednesday 13 October 2021, 16:00

Prof. Dr. Thomas Klinger, Director of the Division Stellarator Dynamics and Transport, Director of the Project Wendelstein 7-X, Max Planck Institute for Plasma Physics, Greifswald, Germany

**"The long way to steady-state fusion plasmas
The superconducting stellarator experiment Wendelstein 7-X"**

Wednesday 20 October 2021, 18:00

Dr. Juan Knaster
Deputy Head of ITER Programme Department, F4E at ITER Organisation, Cadarache, France

"Materials research for fusion: availability of fusion relevant neutron sources"

Wednesday 27 October 2021, 16:00

Prof. Dr. Vladimir Tikhonchuk,
Centre Lasers Intenses et Applications, Université de Bordeaux, France

"Inertial fusion research: physics, status and latest results"

Connection to each of the above Webinars is by Zoom link:

<https://us02web.zoom.us/j/85774373614?pwd=d05mMIJBTmRBN25vck41UHcvU29ldz09>

Meeting ID: 857 7437 3614 Passcode: 925343