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**FUSION EPT**

Andrei Gorjaev, MSc – LPP-ERM/KMS and Ghent University (BE)

## Keep your Fusion Machine Clean!

The role of wall conditioning in fusion research

Water, CO, CO<sub>2</sub>, hydrocarbons, oxygen, etc.

Plasma – Facing Component

11 - 12

20:00 PRAGUE

OCT 17

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**Title:** Keep your Fusion Machine Clean!

**Speaker:** Andrei Gorjaev, MSc – LPP-ERM/KMS and Ghent University (BE)

**When:** 2019-10-17 20:00:00

**Abstract:** This talk will tackle the importance of keeping fusion machines “clean” before and during plasma operations. The typical sources of impurities and the effects of those impurities on plasma performance will be reviewed. We will introduce several wall conditioning techniques and discuss their suitability to different fusion devices. As an example, first results from the wall conditioning strategy deployed on the superconducting stellarator Wendelstein 7–X will be presented.

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