

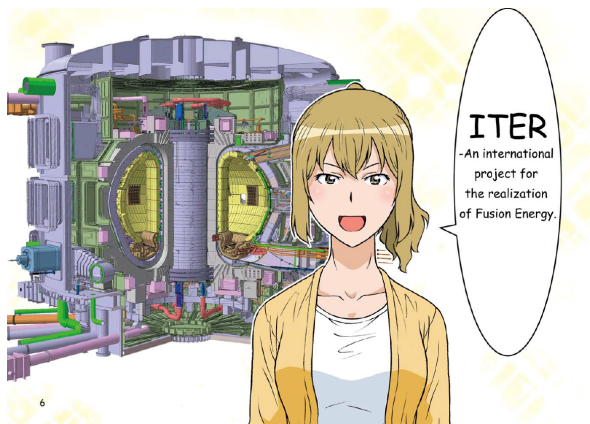
Guy Le Lay 教授来日講演会のご案内

日時：令和元年 11 月 26 日（火）14 時 45 分～16 時 15 分

場所：名古屋大学東山キャンパス ES 館 2F 021 講義室

ITER: the Fusion Project Implemented in Cadarache, France

Guy Le Lay, Nagoya University and Aix-Marseille University, France.



In this lecture, I will introduce the quest for sustainable energy and the status of the International Thermonuclear Experimental Reactor project in construction in Cadarache, near Aix-en Provence, in the south of France.

The overall programme objective is to demonstrate the scientific and technological feasibility of fusion energy for peaceful purposes.

The principal goal is to construct and operate a tokamak experiment at a large enough scale.

The core of the project is the tokamak machine, where to confine a burning Deuterium Tritium plasma, with the main objective to reach $Q = 10$ around year 2040 ($Q = \text{Fusion Power/Injected Power}$), that is 500MW produced for 50MW injected during ~ 400 s.

If this works as envisaged, then the first industrial plant could be operative in the years 2055 – 2060...

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