

先端エネルギー理工セミナーのお知らせ

下記のとおり、プラズマ科学セミナーを開催致します。通常通り単位取得の一環になりますので、奮って参加いただきますよう、ご案内申し上げます。

記

対象:大学院学生(修士、博士)

For master students and Ph.D. students

日時:2018年7月26日(木)10:30-12:00

場所:応用力学研究所 2階大会議室

Meeting Room on 2F in RIAM building

講演者:Pigeon Valentin

Aix-Marceille University, France

講演題目:Characterization of plasma/ceramic wall interaction

Abstract:

The plasma-wall interaction plays a major role in the Hall thrusters' yield and lifetime. Therefore, a better understanding of this interaction is needed, which is done in the present work by characterizing the plasma sheath standing in front of a wall made of typical thrusters' ceramic. The sheath is studied experimentally using LIF diagnostic and emissive probe and comparisons are performed with a kinetic sheath model and kinetic 1DIV simulation code.

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