

横浜国立大学先端科学高等研究院

第27回 IAS-YNUセミナー

エネルギーシステムの安全研究ユニット



**「Kinetic analysis of heterogeneous processes from thermal analysis experiments by means of TKS-SP software. - A direct application for the case of conventional and unconventional fuels.」**

**日時: 11月13日(火) 14:40~16:10**

**場所: 理工系学部講義棟 1F 109講義室**

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Kinetics of heterogeneous processes of materials is an important topic of thermal analysis field; it directly describes the dynamics of condensed matter systems, revealing “hot insights” of materials towards a better understanding of their structural, functional and transition-related properties. The advanced thermal and kinetic software by standard procedure TKS-SP 2.0 was and is successfully employed to perform kinetic computations; by making use of an extended spectrum of procedures, methods and discrimination criteria, it produces in real time high volume and accurate sets of kinetic data from thermally-induced processes. Here, the case of the thermal analysis investigation and the combustion kinetics of conventional and unconventional fuels was studied and will be presented.

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