

理工学部講演会のお知らせ

日時： 8月28日(火) 13：30 ～ 15：00

場所： 7号館 102 教室

講師： Prof. Heesoo Lee (ヒースー・リー教授)

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Materials Science and Engineering Department



Prof. Heesoo Lee

Design and reliability of hybrid materials based on fine ceramics

- Standardization for fine ceramics_ISO/TC 206 -

HyMAR (Hybrid Materials Reliability Laboratory) has been conducting researches on design and reliability of hybrid materials based on fine ceramics according to the requirements of multi-functional materials. We are carrying out research from material design and fabrication to characterization, failure analysis and lifetime prediction.

ISO/TC206 is a technical committee (TC) in ISO for fine ceramics (advanced ceramics, advanced technical ceramics) established in 1992. The TC already has 102 published ISO standards in this field, and 45 items under discussion for new standards. This TC consists of actively participating countries (15) and the observer countries (17). We have 12 working groups to discuss a wide range of the fields in fine ceramics, not only materials itself but some applications. The TC has tended to move from measuring the basic properties of ceramics to various applications (conductive ceramics, ceramic coatings, composites, etc.) over the last 20 years.

I focus on the preparation for Strategic Business Plan (SBP) updating as chair of ISO/TC206 recently. The main objective of the SBP is to provide a concise and up-to-date overview of the committee's work in a user-friendly format for interested stakeholders. The SBP contains information on the scope, title, structure and work program of the TC.