

FTST Special Seminar
繊維学部特別講演会

Adhesion and Adhesive Bonding

接着と接着結合

着剤による接着機構、構造物の接着欠陥と強度との相関ならびに耐久寿命を精度良く予想する技術等を中心に、工業分野における接着剤の役割と展望をお話いただきます。

Adhesive bonding is becoming more & more popular in structural, industrial applications, but one major "brake" to its use is the lack of reliable prediction of service life. Standard NDT has generally not yet proved suitable: it detects abnormalities, but not potential strength, which is the practical criterion for reliability. We have developed specific tests for adhesion & we are presently studying the effects of controlled (model) defects in the bonding & overall strength of the structure. The presence of defects can have some unexpected results!

Prof. Martin Shanahan
University of Bordeaux France

Shanahan 博士の研究対象は、機械系の構造接着への応用を含む「固い」接着と複合材料から、小規模な「柔らかい」接着と「ぬれ」に至るまで広範囲に渡っています。接着工学分野のいくつかの学術誌の編集委員を歴任しており、現在、ボルドー大学 機械工学研究所の教授を務めています。

Prof. Shanahan's work has covered both "hard" adhesion and composites, as applied to structural bonding of mechanical systems, and "soft" adhesion and wetting, at a smaller scale. He is on the editorial board of several journals in the field of adhesion and is presently professor at the Institut de Mécanique et d'Ingénierie at the University of Bordeaux.

When

2013

11/8 (fri) **14:40**
~ **16:10**

Where

Lecture Room #11

11 番講義室

Anyone is welcome to attend, no registration required.
どなたでも聴講できます。登録は必要ありません。
※講演は英語です。

info : 学務グループ / 大学間連携事務局
(TEL 0268-21-5501)