



KATEDRA PLASTYCZNEJ PRZERÓBKI METALI
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AKADEMII GÓRNICZO-HUTNICZEJ W KRAKOWIE



CENTRUM NOWYCH TECHNOLOGII KOMPUTEROWYCH
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SEKCJA PROCESÓW PRZERÓBKI PLASTYCZNEJ
KOMITETU METALURGII PAN



SEMINARIUM

CAN SMALL SCALE MECHANICAL TEST DATA BE USED FOR STRUCTURE CRITICAL DESIGN?

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Nuclear fusion reactors offer some of the harshest environments known to engineering. So when designing a new reactor, all materials used must go through a rigorous testing regime. However, in some cases the volume of material available for testing is limited so developing small scale mechanical testing methods is imperative.

This PhD will be looking into a specific small scale test known as Small Punch Creep Testing, SPCT. Interest in this method has been growing over the past few years, as many people believe it has potential for use in the development of materials for fusion reactors.

Czwartek, 05.10.2017
AGH Kraków, al. Mickiewicza 30,
pawilon B4, IIp., sala 209, godz. 13⁰⁰