



**Zakład Fizyki Teoretycznej UR
zaprasza na**

**WYKŁAD PROF. AHMEDA
HASSANEINA**

**School of Nuclear Engineering and Center for
Materials under Extreme Environments,
Purdue University, USA**

Temat wykładu:

**"Challenges in Designing Reliable Magnetically and
Inertially Confined Fusion Energy Systems".**

**Wykład obędzie się 6 maja w sali 127 (B1) Centrum Innowacji i
Transferu Wiedzy Techniczno-Przyrodniczej, ul. Pigońia 1, o
godzinie 10:00 i skierowany będzie zarówno dla pracowników jak
i studentów UR.**

Prof. Hassanein has more than 30 years of experience in research and development in the fields of nuclear and plasma physics, engineering, and material science. Prof. Hassanein is nationally and internationally recognized as one of the world's foremost leaders in the area of modeling and benchmarking material responses to different radiation and particle sources. He has developed unique models and comprehensive computer packages as well as state-of-the-art experimental facilities to predict material behavior, lifetime issues, plasma evolution, and fluid hydrodynamics under various irradiation conditions. He has authored more than 500 journal publications and technical report in more than 30 different national and international journals in physics, engineering, materials, and computer science. Before coming to Purdue, Prof. Hassanein was senior scientist and group leader and the director of Fusion Power Program at the Department of Energy's Argonne National Laboratory. Prof. Hassanein received the IEEE Merit Award for 2013, the highest IEEE technical achievement award of the nuclear and plasma sciences society, for his seminal contributions in these fields. He is fellows of SPIE, AAAS, IEEE, ANS, and OSA.