



ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE  
ÚSTAV TECHNICKÉ A EXPERIMENTÁLNÍ FYZIKY

128 00 Praha 2 - Albertov, Horská 3a/22  
tel.: 22435-9391, 9290; fax: 22435-9392



## POZVÁNKA

na 223. seminář ÚTEF ČVUT  
pod záštitou Československé sekce NPSS IEEE

# The Mystery of the New Solar Cycle

Prof. Lawrence Pinsky  
*University of Houston*

### Abstract:

The Sun is a giant ball of differentially rotating plasma. Like all plasmas it is intimately involved in generating magnetic fields. These fields become complex and twisted by the differential rotation in such a way that they wind up and re-orient themselves roughly every 11 years or so. Virtually all of the so-called "Solar Weather" events such as sunspots are associated with this phenomenon known as the "Solar Cycle." The potential impact on human civilization of variations in this cyclic behavior is significant. Recent changes observed in the Sun over the last few years including an unpredicted deep and long "Solar Minimum" in sunspot activity have been interpreted as signaling an impending shift in the Solar Cycle that may be very substantial. As such, detailed observations of the Sun over the coming Solar Cycle will be of increasing importance.

Seminář se bude konat v úterý 11. ledna 2010 ve 14 hodin  
v zasedací místnosti ÚTEF ČVUT, Praha 2 - Albertov, Horská 3a/22

Ing. František Krejčí  
tajemník semináře

Ing. Stanislav Pospíšil, DrSc.  
ředitel

Doc. Ing. Carlos Granja, Ph.D.  
předseda NPSS, ČS IEEE

**NUCLEAR & PLASMA SCIENCES SOCIETY CHAPTER**

IEEE Czechoslovakia Section  
<http://www.ieee.cz/en/nps>

