

## Professor T. Miyazaki was awarded “9<sup>th</sup> JSAP Outstanding Achievement Award”



“The Japan Society of Applied Physics (JSAP) Outstanding Achievement Award” is an annual award given by JSAP to recognize and encourage outstanding discovery, invention, theoretical or experimental contributions to its scientific field or industry. “9<sup>th</sup> JSAP Outstanding Achievement Award” was awarded to Prof. Miyazaki from WPI-AIMR in Tohoku University for his “Pioneering research on room temperature tunnel magneto-resistive devices”.

Prof. Miyazaki had first discovered tunnel magnetoresistance (TMR) of 18% at room temperature in 1994. On discovering this large TMR effect, a lot of companies and research institutes researched and developed the tunnel magneto-resistive devices extensively to date, which have been applied to commercial magneto-resistive read-head in high-storage density hard disk drive and solid state nonvolatile memory (MRAM). In addition, research on tunnel magneto-resistive device is chief subject in new spintronics field, to date. The ceremony was hold in annual JSAP conference at Tukuba University, Tukuba on 30th March 2009.