


**Personal Information**

Full name	Yoshio Saito	
Current position	Project professor	
Organization	Institute for Cosmic Ray Research, University of Tokyo	
Country	Japan	

**Short Biography**

Yoshio Saito studied applied physics at University of Tokyo where he received Ph.D. in 1979. He worked in the Department of Applied Physics in University Tokyo as a research associate in 1979, and then, at 1980 he moved to the High Energy Physics Organization KEK, now named as High Energy Accelerator Research Organization KEK. He became Associate Professor in 1989 and Professor in 2003. After retired from KEK in 2015, he moved to Institute of Cosmic Ray Research of University of Tokyo as a Project professor. He also served as Dean of School of High Energy Accelerator Science in the Graduate University for Advanced Studies during 2010-2012.

He constructed KEK 2.5-GeV Photon Factory as a member of linac group and researched electrical breakdown phenomena in vacuum. He investigated copper electrode surface from the view point of oxide layer stability and residual surface stresses. Also he researched the insulator surface durability under high voltage applications, then he improved the alumina rf window used in a high-power klystron. He analyzed the vacuum pressure distribution in the multi-connected network of conduit tubes and he improved the vacuum performance in the linac vacuum system. He also constructed J-PARC accelerator vacuum system, where alumina ceramic beam chambers of 350 m circumference. Yoshio Saito serves as Honorary Professor of KEK.

In another field than accelerator, he worked for designing/construction of a vacuum system of long baseline interferometer for gravitational-wave telescope. In 1995, he completed the TAMA300 of baseline length of 300 m in National Astronomy Observatory. Then in 2012, KAGRA project started and he is working as a project manager.

He serves President of the Vacuum Society of Japan from 2015.