



Professor Hiraio was born in Osaka, Japan, on May 29, 1951.

He received his B.S., M.S., and Ph.D degrees in Kyoto University in 1974, 1976, and 1979, respectively. He is currently a professor of Kyoto University, and He was post doctoral fellow at Rensselaer Polytechnic Institute from 1985 to 1986, and he held the director of Hiraio Active Glass Project, ERATO, Japan Science and Technology Corporation (JST) from 1994 to 1999, the director of Photon Craft Project, ICORP, JST from 2000 to 2005, and the director of Nanotechnology Glass Project, New Energy and Industrial Technology Development Organization (NEDO) from 2001 to 2006. Now, he directs two NEDO Project; “High-efficiency Processing Technology for Three-dimensional Optical Devices” and “Integrated Photonics Laboratory” .

Professor Hiraio received New Chemistry Society Award in 1990, Gottardi International Award in 1990, Ceramic Society of Japan Award in 1998, Chemistry Society of Japan Award in 2000, Fellow of the American Ceramic Society in 2002, and Otto Schott Research Award 2005. He has published more than 470 original and 145 review papers and books in his field. His work covers a broad range of applications including creations and analysis of photo-induced structures in glasses, functional devices using active glasses, structure and properties of glasses containing transition and rare earth elements and amorphous materials made by unconventional method, phase separation of inorganic-organic polymer systems, and molecular dynamics simulation of glass.