

**SHORT COURSE P6
ON
PUMP CAVITATION PHYSICS, PREDICTION, CONTROL, TROUBLESHOOTING**



Bruno Schiavello has been Director for Fluid Dynamics at Flowserve Pump Division, Applied Technology Department, in Phillipsburg, New Jersey, since 2000, and previously served in the same position with Ingersoll Dresser Pump Company. He started in the R&D Department of Worthington Nord (Italy), joined Central R&D of Worthington, McGraw Edison Company, and then Dresser Pump Division.

Mr. Schiavello was co-winner of the H. Worthington European Technical Award in 1979. He has written several papers and lectured at seminars in the area of pump recirculation, cavitation, and two-phase flow. He is a member of ASME, has received the ASME 2006 Fluid Machinery Design Award, and has served on the International Pump Users Symposium Advisory Committee since 1983.



Frank C. Visser currently holds the position of Engineering Specialist Hydraulics with Flowserve (FSG Pumps) Central Engineering Group, in Etten-Leur, The Netherlands. He joined Flowserve in 1995 (at that time, BW/IP International), where he has held several positions in research, development, and (product) engineering. His key expertise and interests relate to fluid mechanics, CFD and thermodynamics of (centrifugal) pumps and hydraulic turbines, on which he has authored and co-authored multiple technical papers in journals and proceedings.

Dr. Visser obtained a B.S. degree (Mechanical Engineering, 1985) from Technical College Alkmaar, The Netherlands, and an M.S. degree (Mechanical Engineering, 1991) and Ph.D. degree (Technical Sciences, 1996) from the University of Twente, Enschede, The Netherlands.
