SMITH, Prof. Roderick Arthur, PhD, ScD; FREng, FIMechE, FIMMM; Research Professor, Imperial College London, since 2011 (Professor and Head of Department of Mechanical Engineering, 2000-05; Royal Academy of Engineering Research Professor, 2006–11); Chief Scientific Adviser, Department for Transport, 2011-14; b 26 Dec. 1947; s of Eric and Gladys Mary Smith; m 1975, Yayoi Yamanoi. Educ: Hulme Grammar Sch., Oldham; St John's Coll., Oxford (BA, MA); Queens' Coll., Cambridge (MA; PhD 1975; ScD 1998; Hon. Fellow 2015). CEng 1976; FIMechE 1991; FIMMM (FIM 1992); FREng 1999. Queens' College, Cambridge: Godfrey Mitchell Res. Fellow, 1975–78; Official Fellow, College Lectr and Dir of Studies, 1978–88; Asst Lectr, Engrg Dept, Cambridge Univ., 1977-80, Lectr, 1980-88; Sheffield University: Prof. of Mech. and Process Engrg, 1988-2000; Hd, Dept of Mech. and Process Engrg, 1992-95; Royal Acad. of Engrg/BR Res. Prof., 1995-2000; Chm., Advanced Rly Res. Centre, 1993-2000; Warden, Stephenson Hall, 1992-2000. Sen. Vis. Res. Fellow, St John's Coll., Oxford, 2005-06; Vis. Prof., Oxford Univ., 2012-. Chm., Coll. of Rly Technol., Derby, 1996-97. Consultant to: British Steel plc, 1986-89; BR, 1992-96 (Mem. Bd, Res. and Tech. Cttee, 1992-96). Mem., Res. and Tech. Cttee, AEA Technology, 1997-2006. Chm., Heathrow Airport Consultative Cttee, 2015—. Institution of Mechanical Engineers: Mem. Council, 1999—; Trustee, 2006—; Dep. Pres., 2010–11; Pres., 2011-12. Trustee, Nat. Mus. of Science and Industry, 2002-10. FCGI 2000. Hon. DEng: Lincoln, 2012; Sheffield, 2015. Publications: Thirty Years of Fatigue Crack Growth, 1986; Innovative Teaching in Engineering, 1991; Engineering for Crowd Safety, 1993; ed books; papers and articles on mech. engrg, design, manufacture, engrg educn and crowd engrg. Recreations: mountaineering, reading, history, Japan: its people and technology; conversation, wine. Address: Department of Mechanical Engineering, Imperial College London, Exhibition Road, SW7 2AZ. T: (020) 7594 7007. Clubs: Oxford and Cambridge, Alpine; Fell and Rock (Lake District).