

## Jean SALENÇON

Date of birth: 13.XI.1940

Member (President 2009-2010) of the Académie des sciences (France)  
Member (Emeritus) of the Académie des technologies (France)  
Senior Fellow of the Hong Kong Institute for Advanced Study (City University of Hong Kong)  
Foreign Member of the Istituto Lombardo (Milan, Italy)  
Foreign Member of the Academia das Ciências de Lisboa (Portugal)  
Honorary Member of the Hungarian Academy of Science (Hungary)  
Member of Academia Europaea  
Corresponding member of the Académie des sciences et lettres de Montpellier (France)  
*Ingénieur général honoraire des ponts et chaussées*  
Honorary Professor, École polytechnique, Palaiseau & École des ponts Paristech.

### ADDRESS

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### SCIENTIFIC WORKS

**Publications:** Thesis - Books (Eyrolles, Wiley, Presses de l'E.N.P.C., Ellipses, AUPELF, Éditions de l'École polytechnique, Springer, ISTE) - Reports for the French Academy of Science - Scientific publications - Lecture Notes at the École polytechnique and École nationale des ponts et chaussées - Conferences - Lectures at CISM (Udine), CISCO, ENIT (Tunis), Politecnico (Milan), Pontificia Universidade Católica (Rio de Janeiro), University of Salta (Argentina), University of Granada (Spain), University of Pavia (Italy), City University of Hong Kong. Publications and lectures in international meetings (with proceedings). Research reports. (More than 240 publications.)

**Research domains:** Structure analysis. Soil Mechanics. Continuum Mechanics.

**Main results:** Charts for the calculation of the bearing capacity of shallow foundations. Yield design theory. Stability analysis of earthworks. Probabilistic approach of the yield design theory. Applications of the yield design methods in the case of anisotropic soils. Stability analysis of reinforced earth structures. Composite materials. Bearing capacity of shallow foundations under inclined and eccentric loads and seismic conditions. Theoretical approach of ultimate limit states design.

### SCIENTIFIC AWARDS

**Montyon Prize**, awarded by the Académie des sciences, (Paris), 1978.

**Trevithick Prize**, awarded by the Institution of Civil Engineers (London), 1990.

**AFPS Prize**, awarded by the Association française de génie parasismique (1991).

Honorary Member of the **EUROMECH Society**

## PAST POSITIONS

2016-2024 Member-at-Large of IUTAM's General Assembly  
2014-2016 Visiting Distinguished Professor, City University of Hong Kong, SAR  
2011-2014 Chair Professor-at-large, City University, Hong Kong, SAR  
2009-2013 Member of the Administrative Board of CNRS (Paris, France)  
2009-2010 President of the Académie des sciences  
2009 President of the Institut de France  
2008-2015 Member of the International Advisory Board of the UANL (Monterrey, Mexico)  
2007-2012 President of the scientific Board of GDF-SUEZ  
2007-2008 Vice-president of the Académie des sciences  
2005-2011 Member of the Administrative Board of the CNAM (Paris, France).  
2004-2012 Rector of the CISM (Udine, Italy).  
2004-2007 Member of the Scientific Board of the École nationale des ponts et chaussées.  
2004 Chairman of the Central Administrative Board of the Institut de France.  
2002-2005 Member of the Board of Governors of École polytechnique.  
2000-2004 Member of the Bureau IUTAM.  
2000-2003 Member of the Conseil général des ponts et chaussées  
2000-2001 Founding Member of the Académie des Technologies, Paris (France).  
1996-2003 Member of the scientific council of CISM (Udine, Italy).  
1996-1997 Member of the Scientific Committee of the Institut Français du Pétrole.  
1995-2002 Member of the Board of governors of École Centrale.  
1995-1998 Member of the Scientific Committee of the ONERA.  
1992-2000 Chairman of the IUTAM Solid Symposia Panel.  
1992-1997 Vice president of the CADAS (Council for Applications of the French Academy of Science).  
1990-2000 Member and Chairman (1992-2000) of the Committee for scientific research RENAULT Consortium (France).  
1990-1996 Member of the Board of governors of École polytechnique  
1989-2000 Member of the CADAS (Council for Applications of the French Academy of Science).  
1987-1991 President of the Scientific Committee of the Institut de Mécanique de Grenoble (IMG).  
1986-1993 Member of the Scientific Committee of the École nationale des ponts et chaussées.  
1986-1990 President of the French Committee for Soil Mechanics and Foundation Engineering.  
1986-1989 President of the Scientific Committee of G.R.E.C.O., "Rheology of Geomaterials".  
1985-2000 Chairman of the Department of Mechanics at École polytechnique.  
1985-1989 Member of the European Mechanics Committee.  
1983-1992 Member of the Scientific Committee of the Laboratoire des ponts et chaussées.  
1983-1986 Member of the Committee for "Sciences pour l'ingénieur" of the French National Research Centre, (C.N.R.S.).  
1982-2005 Professor in Mechanics at the École polytechnique  
1982-1994 President of the Board of management of the Laboratoire de Mécanique des Solides, École polytechnique.  
1982-1989 Member of the Commission of "Grands équipements de la recherche technique".  
1982-1983 President of the Committee for Mitigation of Seismic hazard (Académie des sciences).  
1980-1985 Head of the Department of Mechanical and material sciences, École nationale des ponts et chaussées.  
1980-1983 Member of the National Committee of C.N.R.S.  
1977-1998 Professor, École nationale des ponts et chaussées, Paris.  
1976-1985 Member of the Editorial Board of the *Journal de Mécanique Théorique et Appliquée*.  
1975-1977 Associate Professor in Structure Analysis, École nationale des ponts et chaussées, Paris.  
1974-1980 Member of the Central Committee for Research of the Centre Technique Industriel de la Construction Métallique (CTICM).  
1974-1975 Scientific Advisor to the Centre de Mise en Forme des Matériaux (CEMEF).  
1969-1982 Lecturer in Mechanics at the École polytechnique (full time: 1974-1975).  
1965-1982 Lecturer in Soil Mechanics, École nationale des ponts et chaussées, Paris.  
1964-1974 Assistant Lecturer in Strength of materials and Materials engineering, École nationale supérieure des mines de Paris.  
1964-1974 Researcher at the Laboratoire de Mécanique des Solides, École polytechnique;  
research domains: Elasticity, Viscoelasticity, Plasticity, Soil Mechanics, Continuum Mechanics.

LANGUAGES: English and Spanish: fluent; (German and Portuguese).

HONORS: *Légion d'Honneur* (Commander), *Ordre National du Mérite* (Officer),  
*Palme Académiques* (Commander).

As of May 2025