

**Robert VALLÉE** (1922, Poitiers, France)

**Academician, International Academy for Systems and Cybernetic Sciences**, Vienna (2010)



[http://en.wikipedia.org/wiki/Robert\\_Vallée](http://en.wikipedia.org/wiki/Robert_Vallée)

**Cyberneticist and mathematician.**

**Professor emeritus Université Paris-Nord, France.**

**President of the World Organization of Systems and Cybernetics (WOSC)** <http://www.cybsoc.org/wosc/>

**Honorary President of the French Association of Systemics and Cybernetics (AFSCET).**

interested in **information theory** has described a *cybernetic creature covering the whole surface of the globe with its communication net* (1952), an idea which has also been proposed by Joël de Rosnay in 1975.

<http://www.robert-vallee.net/>

Student at **École Polytechnique**, Paris (1944-1946),

took part in the **“Foreign Students Summer Project”** of the **Massachusetts Institute of Technology** in 1954 (with Norbert Wiener and Armand Siegel), 1961 Doctor of Sciences in mathematics with a thesis on an extension of the general relativity of Kaluza-Klein, under the direction of André Lichnerowicz (Université de Paris).

**Associate-Director of Institut Blaise Pascal, Paris** (1956-1958),

University lecturer in mathematics at École Polytechnique (1961-1971).

Professor of mathematics at Université de Franche-Comté (1962–1971). at Université Paris-Nord (1971-1987).

**Doctoral course on dynamical systems at Université Paris 1 Panthéon-Sorbonne** (1975-1987).

Founder of the **Cercle d'Études Cybernétiques** (Louis de Broglie President), 1950.

Member of the Council of **Société Mathématique de France**, 1964-1967.

**Director general Institut de Sciences Mathématiques et Économiques Appliquées** (François Perroux President) 1980-1982

President Collège de Systémique **Association Française pour la Cybernétique Économique et Technique** AFCET 1981-1984

Representative of AFCET at the **International Federation for Systems Research** (IFSR), 1986.

Member of the council of the **French Association of Theoretical Biology**, 1984-1988.

Participant in several **Fuschl Conversations** (International Systems Institute and IFSR), 1986-1996.

Director general (1987) then President (2003) of the **World Organization of Systems and Cybernetics (WOSC)**.

Member of the council of the **International Association of Cybernetics**, 1987-2000 and of the council of the **Association Française de science des Systèmes Cybernétiques cognitifs Et Techniques** (AFSCET), 1999.

Member of **the International Society for the Systems Sciences (ISSS)**, **the American Society for Cybernetics (ASC)**, **Tutmonda Asocio pri Kibernetiko, Informatiko kaj Sistemiko (TAKIS)**,

Editor in Chief of **Revue Internationale de Systémique** (AFCET) 1986-1988, member of the editorial boards of **Kybernetes** (official review of the WOSC), **Economies et Sociétés** (ISMEA), **International Journal for Biological Systems, Cybernetics and Human Knowing**, **Grundlagenstudien aus Kybernetik und Geisteswissenschaft** (TAKIS), **Robotica**, and **Res-Systemica** (electronic journal) of **the European Union of Systemics (EUS)**.

**Vice-president of Cybernetics Academy Odobleja**, 1994

**Member of Academo Internacia de la Sciencoj San Marino**, 1987

**Norbert Wiener Memorial Gold Medal (WOSC)**, 1990

Doctor Honoris causa Universitatea din Petrosani, Roumanie, 2000

**Author of 150 papers, mainly on cybernetics and systems** (introducing **new concepts** : **observation operator**, **inverse transfer of structures**, **epistemo-praxiology**, **epsilon distribution**, **internal time of a system...**) and of **“Cognition et système. Essai d'épistemo-praxéologie”**, L'Interdisciplinaire, Lyon-Limonest, 1995.