

Name: **BAUD**  
 Forename : **Jean-Pierre**  
 Birth date : 1950, May 16th  
 in Chambéry (73, France)  
 Nationality : French  
 Profession : Geotechnician  
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## **EDUCATION**

1975 : Franche-Comté University in Besançon (France)  
 Engineering Geology Department  
 Doctor in Engineering Geology

## **CAREER DEVELOPMENT**

- Since 1986 : **EUROGEO See company's references or [www.eurogeo.fr](http://www.eurogeo.fr)**  
 Eurogé S.A.S. Chairman, founder member with S.T. UPRICHARD (Taranto De Pol, Northern Ireland, UK).  
 Consulting engineer in geotechnical surveys and foundation design.  
 Professionnal fields : foundation design for building and civil works, technical assistance for pressuremeter techniques in France and abroad (Italy, Spain, Netherlands, Hungary, Greece, Egypt, Gabon, Norway, Russia, etc.), foundation consultant for owners and project managers (G1, G2), geological and geotechnical consultant for building and civil engineering contractors (G5, G3, G4).
- 1983-1986 : **INTRAFOR-COFOR**  
 Department manager for "Études Pressiométriques Louis Ménard" and founder of the department "Ménard International Pressuremeter Surveys (MIPS)".  
 Works : Private, public and industrial buildings. Motorways, high-speed railways (TGV Atlantique), Kuwait Telecom Tower.  
 Technical assistance in pressuremeter surveys in France and abroad (Tunisy, Nigeria, Turkey, Kenya, Gabon, Cameroon, North Korea, Argentina, etc.)  
 Development of the first fully automatized pressuremeter (PAC).
- 1978 – 1982 : **LOUIS MENARD GROUP**  
 Engineer in the Centre d'Etudes Géotechniques de Paris  
 Works: Nice airport and port, Monaco-Fontvieille extension on the sea, Fréjus tunnel, Clou dam, motorways in France, first high-speed raliway TGV Paris-Lyon, private, publics and industrial buildings : electrical stations and lines, usines automobiles et pharmaceutiques  
 Development of different methods and measurment systems for Techniques Louis Ménard
- 1976 –1978 : **LYON CETE, Equipment government laboratory – Regional civil works and motorways laboratory at Clermont-Ferrand (France).**  
 Geologist in the road network geological-geotechnical department.  
 Works : road bypasses (Clermont-Ferrand, Tulle), motorways A71 and B71.  
 Research works on rock masses alteration and fracturation characterization.



- 1976 : **SOCOTEC – ALGERIA (Algiers – El Djezair office).**  
Geotechnician.  
Works : Public building and industrial equipments in Algeria.
  
- 1975 : **French government regional agricultural services in Mulhouse**  
(today, Ministry of the environment and sustainable development)  
Geologist.  
Works : Hill dams in the Vosges region (Michelbach), hydrogeology of the Doller basin.

### **LANGUAGES**

French : motherly  
English : current (international english)  
Italian (and latin languages) : lecture

### **Scientific works and titles**

- Thesis : Geological research on the green rocks (ophiolites) of the High Balagne region in Corsica.
- Publications about alpine ophiolitic rocks in Corsica.
- Ministry of Environment. Research report about snow glaciology and hydrology in the Doller basin (Haut-Rhin, France).
- Ministry of Equipment. Several research reports about characterization of the fracturation in rock masses and use for excavation and earthmoving with explosives or excavators.
- Ménard group in-house research about electronic pressuremeter PAC, and about methods for automatic interpretation of MPM tests.
- Development of XPressio® software, distributed by Géomatech and Apagéo companies.
- Expert member of the European standardization committee "Borehole Expansion Tests" (CEN - TC 341 - WG 5).
- Member of the scientific board for the symposium PRESSIO 2005 / ISP5, Paris.

<http://pfe.enpc.fr/web2003/dyn/pdf/45001.pdf>

### **Some publications**

- Baud J.-P. (1985) Le PAC, Pressiomètre assisté par ordinateur, Revue "Travaux", FNTP, 1985. [in French]
- Baud J.-P., Gambin M., Uprichard S. (1992) Modeling and automatic analysis of a Menard pressuremeter test - Modélisation de l'essai pressiométrique Ménard pour une interprétation automatique. *Colloque Géotechnique et informatique, Presses des Ponts et Chaussées, Paris.* [in English]
- Baud J.-P. (2005) Analyse des résultats pressiométriques Ménard dans un diagramme spectral [ $\log(E_M/p_{LM}^*)$ ,  $\log(p_{LM}^*)$ ] et utilisation des regroupements statistiques dans la modélisation d'un site. A [ $\log(p_{LM})$ ,  $\log(E_M/p_{LM})$ ] diagram for spectral analysis of Ménard pressuremeter tests results. Application to geotechnical site surveys. *International Symposium ISP5-Pressio 2005, vol.1, pp. 167-174, Presses des Ponts et Chaussées, Paris.* [in French, english abstract]
- Arsonnet G., Baud J.-P., Gambin M. (2005) Réalisation du forage pour essais pressiométriques par un système de tube fendu autoforé (STAF). Pressuremeter tests inside a self-bored slotted tube (STAF). *International Symposium ISP5-Pressio 2005, vol.1, pp. 31-45, Presses des Ponts et Chaussées, Paris.* [in French, english abstract]
- Baud J.-P., Gambin M. (2005) Dédution d'une loi de réponse hyperbolique unique par compilation de courbes pressiométriques dans un sol de lithologie homogène. Deriving a single hyperbolic response to cylindrical expansion in a lithologically homogeneous soil by compilation of MPM curves. *International Symposium ISP5-Pressio 2005, vol.1, pp. 175-186, Presses des Ponts et Chaussées, Paris.* [in French, english abstract]
- Baud J.-P., Gambin M. (2008) Homogenising MPM test curves by using a hyperbolic model. *International conference on soil characterization ISC3, Taiwan, april 2008.* [in English]