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Associate General Secretary of **AFSCET** <http://www.afscet.asso.fr>
Association Française de science des Systèmes Cybernétiques, cognitifs Et Techniques
Managing Editor of the On Line Review of **UES/EUS** <http://www.res-systemica.org>
Union Européenne de Systémique/European Union of Systemic (a network of 20 national associations)
elected Member of
the International Academy of Systems and Cybernetics Sciences
an emanation of **IFSR**
International Federation For Systems Research (a federation of 37 national & international associations)

- **Author of 2 complementary theories in bio-systemics :**
 - Author of the **theory** called **ARMSADA**
"Associations for the **Reciprocal and Mutual Sharing of Advantages and DisAdvantages**",
rooted in "archives ouvertes du CNRS at <http://hal.archives-ouvertes.fr/hal-00130218/fr>
with its web site at <http://www.armsada.eu>
 - Author of the **new concepts** called **EndoPhysioTope** and **EcoExoTope** of the **theory** of
"the **gauge invariance of life**" (The 7 invariant functional degrees of Life)
rooted at <http://hal.archives-ouvertes.fr/hal-00423730/fr>
quoted in wikipedia at <http://fr.wikipedia.org/wiki/Symbiose>
and at http://fr.wikipedia.org/wiki/Approche_syst%C3%A9mique
- **Author of more than sixty scientific journal articles on life systems :**

Titles of papers and precise references are on diverse **lists** of publications mentioned in the bibliography of a lot of articles **rooted on to the AFSCET web site**, an entry for example (since 2000) is
at <http://www.afscet.asso.fr/Ande08/pbAnde08ExpSci.pdf>
and also **rooted on to the UES (European System Science Union) web site**, for example :
at <http://www.afscet.asso.fr/resSystemica/Lisboa08/bricageWS1.pdf>

 - since 1998, "on line" more than 20 articles **AFSCET, UES and MCX** (Complexity Modelling)
Other journals, chapters, conference papers on **life** and on **training/coaching systems** :
quoted in wikipedia at http://fr.wikipedia.org/wiki/Coaching_p%C3%A9dagogique
 - Other journals : since 1977, more than 20 works (do see at <http://web.univ-pau.fr/~bricage/>),
In Bull. de l'IFAN (Institut Fondamental d'Afrique Noire), **Bull. de l'A.A.S.N.S. (Association pour l'Avancement des Sciences Naturelles au Sénégal)**, **Canadian Journal of Biochemistry & Cell Biol.**, **Canadian Journal of Botany**, **Plant Physiology (USA)**, **Plant Science (UK)**, **NATO symposium**
 - **Chapters of books and Conference papers (since 1975) : more than 10.**
 - Papers that are "usually the most quoted in systemics" are those that were published **In**
Molecular & Physiological Aspects of Plant Peroxidases, Geneva (1986),
Biological Rhythms : from cell to man (SFC) Polytechnica, Paris (1993),
Anthropo-politique & gouvernance des systèmes complexes territoriaux (MCX33-APC), Toulouse (2005),
Gouvernance & Pédagogie (AFSCET & MCX20), Pau (2006),
La gouvernance dans les systèmes (AFSCET), Polimetria, Milano (2007).
- **Chair or co-chair of national, international conferences or workshops**
 - Member of the **Congress Scientific Committee** of the **UES** at Hersonissos (2002), Paris (2005) and Lisbon (2008),
 - Member of the **Organising Committee** of the UES Congress at Paris (2005),
 - **Chair** of the **Systems Evolution Workshop** at Hersonissos (2002), Co-chair of 3 Workshops at Paris (2005) (**agoantagonisme, biosystemics, social & sanitary governance**),
 - Co-Chair of the Leprosy international Congress, at Dakar University, Sénégal (1978),
 - Chair of the Workshop "Culture du bacille de Hansen", Internat. Symposium "Léprologues de langue française", Dakar, Sénégal (1978).
 - Member of the Organising Committee of the International Congress "L'Université à l'ère du numérique " (**Educative Numeric Technology**), Bordeaux, France (2008).
 - **Editor** of an AFSCET international "blog", "moderation", about **Systems Evolution** during 4 years : in English <http://afscet.iblogs.com> & in French, <http://afscet-evolution-workroom.vnunetblog.fr/evolutiondessystemes> , now closed.

- Editor of National & International Journals

- co-editor of Bull. A.A.S.N.S. (Dakar, Sénégal) (**education training/coaching**) during 7 years
- editor of **On line AFSCET Annual days** since 2000, at <http://www.afscet.asso.fr/interventions.html>
- co-editor of **Res Systemica (On Line Review of the UES)** since 2006 (with Évelyne Andreewsky),
- editor since 2008 <http://www.res-systemica.org>
- also referee and reviewer for The Journal of Tropical Forest Science during 2 years.

- Teaching of systems theory

- From 1994 to 2009, I taught a course on "**bio-systemics**" (particularly **chronobiology**) at the bachelor degree level at the University of Pau (UPPA), France, Europa.
- these courses are on the webcampus of the University of Pau & Pays de l'Adour, for examples at :
<https://webcampus.univ-pau.fr/courses/BIOSYSTEMIQUEC>
<https://webcampus.univ-pau.fr/courses/CL50cd>
- During 10 years, courses about **informatics** (programming, simulation) at the Bachelor degree (Management of Natural Resources) & Master degree (Health & Social Engineering), at UPPA.

- Practical Applications in BioSystemics

- proposal of a **AIDS curative vaccine (systemics) methodology** in Paris (2005) & Lisbon (2008), at <http://minilien.com/?USaw1HHJ4Z> and at <http://hal.archives-ouvertes.fr/hal-00352578/fr>,
 - which has now been proved to be effective (Germany 2008, USA 2009)
(do see blogs like <http://www.techno-science.net/forum> in French, 2010)
 - proposal of a **cancer curative vaccine (systemics) methodology** in Lisbon (2008) at <http://hal.archives-ouvertes.fr/hal-00351226/fr>
- patents co-contributions :**
- **chemicals** : ANVARANDUM 623/687 4/1970 (phosphoniums), France (CNRS, Thiais)
 - **strains** : Mycobacterium 78.074.16 France, P.V. 567.68 OAPI, 254/CAL/79 India, 36.465/1980 Japan
 - **INPI deposit of a software** for quality control : CTRLQUAL.

- Published books

Environmental Education (Eco-Systemic)

- Bricage P. (1981) Guide pour l'Enseignement de la Biologie dans les Ecoles Africaines/African Schools (Système anglophone d'éducation/English speaking students). Programmes. 40 p., Méthodes et Techniques Pédagogiques. 90 p., Communication et Auxiliaires Audio-Visuels. 40 p., Terminologie & bibliographie. 20 p. (contrat d'auteur/Author UNESCO n° 206925), UNESCO, Paris.

- An "**on line**" **book** : Bricage P. & al. (2006) Gouvernance & Pédagogie, Association Française de Science des Systèmes (AFSCET), Pau, 155 p. <http://halshs.archives-ouvertes.fr/halshs-00130212>

Systemic approach of governance

- La Gouvernance dans les Systèmes. (2007) Collectif AFSCET, Polimetria, Milano, 182 p.

- Active member of AFSCET, MCX and UES

I am a very active member of **AFSCET** (administrative member) since 2000 :

- member of **executive committee**
- **webmaster** of the AFSCET website <http://www.afscet.asso.fr>,
- particularly in charge of the André Annual Colloquium Days at <http://www.afscet.asso.fr/interventions.html>, and
- the **On line Revue** of the **European Systems Science Union (res-Systemica)** at <http://www.res-systemica.org>

I was also an active participant of the **MCX20 workshop** ("**Prendre soin de l'homme**", **Health & Social Sciences Engineering**) & the **MCX33 workshop**, of the **MCX network (Modélisation de la Complexité)**, from 1998 to 2004.