

CURRICULUM VITAE OF M. INSTALLE (Short version)

Civil Status

Name : INSTALLE Michel, Jules, Emmanuel
Birth : May 8, 1939 at Ghent, Belgium
Nationality : Belgian

Address

Private : 31, rue Gilisquet, 1457 Walhain, Belgium
 Phone : +32(0)10656872
Office : CESAME, Batiment Euler
 4-6, av. G. Lemaitre
 1348 Louvain la Neuve Belgium
 Phone : +32(0)10472594
 Fax : +32(0)10472180
 E-mail : installe@auto.ucl.ac.be

Professional status

Diplomas :

1. Electrical and Mechanical Engineer, Univ. of Louvain, 1963.
2. Master in Automatic Control Engineering, Univ. of Brussels, 1968.
3. Ph. D. in Electrical Engineering, Univ. of Stanford, USA, 1970.

Occupations :

From 1970 until 1982 : full professor at the department of Electrical Engineering of the Faculty of Applied Sciences of the Univ. of Louvain, Louvain-la-Neuve, Belgium, Laboratory of Systems Analysis and Automatic Control;

From January 1981 until July 1981 : invited researcher/teacher at the INIREB ("Instituto Nacional de Investigaciones sobre Recursos Bioticos"), Jalapa, Mexico ;

From July 1983 until August 1984 : invited researcher/teacher at the INIREB ("Instituto Nacional de Investigaciones sobre Recursos Bioticos"), Jalapa, Mexico ;

From 1984 until 1993 : full professor at the department of Electrical Engineering of the Faculty of Applied Sciences of the Univ. of Louvain, Louvain-la-Neuve, Belgium, Laboratory of Systems Analysis and Automatic Control;

From 1993 until 2004 : full professor at the department of Systems Engineering (UCL), Center for Systems analysis and Applied Mechanics (CESAME).

Research topics

- Automatic satellite images classification for land-use analysis and planning (with Prof. J. Wilmet, Department of Geography of the Univ. of Louvain, 1976-1979).
- Modeling and control of biological processes with applications to methane gas production (with the laboratory of bioengineering + national food research institute + industry, 1978-1982).
- Agro-ecosystems modeling and optimization (collaboration with organizations in Belgium, Chile, France, Mexico, Burundi, 1981-).
- Applications of systems analysis techniques to agro-ecosystems analysis, management and planning (same collaboration as above, 1986-).
- Development of multicriteria decision support systems for negotiation, management and planning tasks with application to environmental management (1989 -)

Other occupations and responsibilities :

- Head of the department of Electrical Engineering (1977-1980)
- Invited researcher at the INIREB ("Instituto Nacional de Investigaciones sobre Recursos Bioticos", Jalapa, Mexico, 6 months stay in 1981, 13 months visit in 1983/1984).
- Invited lecturer at the GIA (Grupo de Investigaciones Agrarias, Academia de Humanismo Christiano, Santiago, Chile, 1986- 1991).
- Member of the redaction staff of the "Journal A" published jointly by the Dutch and Belgian Institutes for Automatic Control (1983 - 1993).
- Member of the Board of the Open Faculty of Social Economical and Political Sciences of the UCL (FOPES, 1989- 1997).
- Member of the University of Louvain Commission "Environment and Society" (1992- 1996).
- Director of the post-graduate UCL program in " Environmental Science and Management " (1994 - 2004).
- Member-representative of the Belgian French-speaking universities at the Walloon Council of the Environment and Sustainable Development (CWEDD), (1998 -).
- Scientific expert at the "Commission de la Coopération Universitaire au Développement" for the selection of proposals (1998 - 2004).

- Member of the Editorial Board of the "International Journal of Environment and Sustainable Development" (2002-now).
- President of the "Commission for the environment and for a sustainable development " of the University of Louvain (2002 – now)

Research contracts :

- Development of a dynamic simulation software for the management of crop and livestock farming systems (with the Region Wallonne, Belgium, 1986-1987).
- Development of a multiple objective optimization software for the planning of agrosystems (with the "Instituto Nacional de Investigaciones Sobre Recursos Bioticos" -INIREB-, Mexico, 1981 and 1983-1984).
- Study of the diversification of an agro-ecosystem in a marginal region in tropical Mexico (CEE/STD-1 Research Contract with Mexico, 1986-1988).
- Modelling and optimization of the rural production agro-economic systems in the region of Nuble, Chile (with the "Grupo de Investigaciones Agrarias", Chile, 1986 - 1992).
- Modeling of tropical agro-ecosystems in TWC (FDS contract with the University of Louvain, 1889 - 1991).
- Improvement of agro-ecosystems productivities through the use of systems theoretic planning support tools. CEE/STD-2 program Research Contract, 1991-1993. With the "Institut National de la Recherche Agronomique (France)", "Institut National Algérien de la Recherche Agronomique" and "Université du Burundi".
- Development and application of a multicriteria evaluation methodology for regional planning and siting of major hazard plants with a focus on the southern regions of the EC. CEE/STEP Research Contract, 1991-1994. With the Society for Environmental Management, Athens, Greece.
- Développements d'outils d'aide à la décision et de gestion dans une entreprise du secteur de l'économie sociale, (1995-1996) , contrat Fondation Roi Baudouin et entreprise LST à Namur, Belgium.
- Indicateurs et normes économiques, sociologiques et agronomiques des systèmes de production agricole durable, SSTC Belgian Government Research Contract (Bruxelles) within the program "Plan d'appui scientifique à une politique de développement durable" ("Scientific support for a Sustainable Development Strategy at the Political Federal Level"). In collaboration with : "université de Gand" and "Fondation Universitaire Luxembourgeoise" (1997-1998).

Other contracts :

- Creation of a network "Environment and Sustainable Development" involving Latin-american and European universities, UCL representative of this network that is implemented under a CEE/ALFA program contract of the European Community (1995 -1998). Involved universities : Gatwick (UK), Nijmegen (NL), Louvain (B), Calabria (IT), Sao Paolo (BR), Bogota (COL), Costa Rica (COSRI), Merida (Ven) and Salvador (SALV)
- ELCE 2000 : Environmental Life-Cycle Engineering towards 2000 : UCL representative of a CEE/SOCRATES contract aiming at developing, with 6 other European universities (Delft (NL), Leuven (B), Louvain (B), Trondheim (NOR), Paris (FR) , Imperial College (UK)), 4 courses (euromodules) devoted to environmental engineering and management topics. Those courses will be taught by Open Distant Learning, using Internet and Video-conferencing (1996 - 2000).
- CLUSTER European Master Program in Environmental Technologies and Engineering : joint master program between the following universities : Lausanne-EPFL (CH), Darmstadt (G), Eindhoven (NL), Louvain (B), Torino (IT), KTH Stockholm (SU) (1996 - 2004).