

CURRICULUM VITAE

NAME : PARODI , Gabriel N.

DATE AND PLACE OF BIRTH : 15 November 1960, Buenos Aires, Argentina

NATIONALITY : Argentine

EDUCATION :

1965 - 1971 : Primary school in Buenos Aires

1972 - 1977 : Secondary school in general sciences in Buenos Aires

1978 - 1984 : Civil Engineer, hydrology orientation. Degree awarded in the University of Buenos Aires.

1986 - 1989 : Postgraduate courses in Remote Sensing and Civil Engineering, including programming in structural analysis.

1990 - 1991 : Postgraduate course in Watershed Management and Conservation in ITC, the Netherlands and in Spain.

1992 - 1993 : Master in Sciences, ITC, the Netherlands.

KEY QUALIFICATIONS :

- : Structural civil engineering
- : Watershed and surface water management
- : Flatland rural flood-control structures
- : Remote sensing and GIS applications

LANGUAGES AND DEGREE OF PROFICIENCY :

<u>Language</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
1. Spanish	mother tongue		
2. English	very good	very good	very good
3. Portuguese	good	very good	poor

EMPLOYMENT RECORD :

1994-to-date : International Institute for Aerospace Survey and Earth Sciences (ITC).

Position held : Researcher and lecturer. Staff member in Water Resources Survey division.

Description of duties : Lecturer in thermal infrared applications and GIS and agro-hydrology modeling. Research and lecturing in energetic applications of GIS, low and high resolution remote sensing imagery in hydrology. Participation in several internal and external research projects.

1985 - to date : National Institute of Agricultural Technology (INTA), Argentina

Position held : Researcher at the division of Climate and Water

Description of duties : Design and structural engineering in low-rural-flood control structures in flatland.

- : Planning and organization of farmer cooperatives for land reclamation of degraded areas.

: Consultancy, lecturing and fieldwork campaign on several opportunities.
 : GIS and Remote Sensing techniques in Agro-meteorological applications.
 1985 : Hydraulics Services SRL (private)
 Position held : Engineering in small pumping installations
 Description of duties : Design and installation of small general-purpose pumping and filtering stations for housing, alimentary industries, pools and recreation parks.
 1979 - 1984 : Private teaching of exact sciences

PROJECT EXPERIENCE :

Period : 1997-1999
 Country : Spain-Portugal-Italy
 Description of the mission : ASTIMwR project: "Application of Space Techniques to the Integrated Management of a river basin Water Resources". Development of a user interface over ILWIS for the Management of the Guadiana Basin. JRC-CEE funded project.

Period : 1994-1997
 Country : Spain
 Description of the mission : Research: "The applicability of NOAA imagery in actual evapotranspiration monitoring". ITC internally funded project. Malaga, Guadalhorce District.

CONSULTING EXPERIENCE :

Period : September, 1998
 Country : Bolivia
 Description of the mission : Course. Input of WRES division in the Professional Master course, CLAS (Centro de Levantamientos Aerospaciales y Aplicaciones SIG para el Desarrollo Sostenible de los Recursos Naturales), Universidad Mayor de San Simon, Cochabamba.

Period : 1988 - 1989 (full years)
 Country : Argentina
 Description of mission : Full project (Planning, fieldwork, design, project and construction) for flood control in piedmont area. Contractor INTA-MAA-Cooperative Azul. District: Azul. Module no. 1: "Canadon de Gutierrez", Prov. of Buenos Aires.

Period : 1988
 Country : Argentina
 Description of mission : Reclamation of saline and degraded lands under intense monoculture and overgrazing. Contractor INTA-MAA. District: Navarro. Module: "Canada La Salada", Prov. of Buenos Aires.

Period : 1987 (full year)
 Country : Argentina

Description of mission : Project for flood control in lowlands. Contractor INTA-MAA. Subject: Module no. 4 District: "Ranchos", Prov. of Buenos Aires.

Period : March 1987 - June 1987

Country : Argentina

Description of mission : Re-embankment of Forletti river. Contractor INTA. Prov. of Buenos Aires.

PUBLICATIONS :

- 1997 - Bakker W., **PARODI G.**, Timmermans W. "NOAA AVHRR Preprocessing: an application of a cloud detection technique. ITC Journal 1997-1.
- 1995 - Timmermans W. and **PARODI G.N.** "Modeling the spatial distribution of shortwave radiation over relief-rich terrain". in Proceedings EN&IN, International Conference on Environment and Informatics, Budapest , Hungary. June 29 - July 1.
- 1994 - Brouwer J. de, **PARODI G.N.** and Timmermans W. Annual Reports, Project: Research: "The applicability of NOAA imagery in actual evapotranspiration monitoring". ITC internally funded project. Malaga, Guadalhorce District.
- 1993 - **PARODI, G.** MSc. Thesis: "An up-to-date inventory of remote sensing potentially in the energy balance equation approach for actual evapotranspiration mapping. Basic Theory and Prospects". ITC, Enschede, the Netherlands.
- 1991 - **PARODI, G.** "Procedure for the installation of piezometers in heavy soils". INTA, practical publication for diffusion and extension.
- 1990 - **PARODI, G.** and Damiano, F. "Agro-hydrologic management in the District no. 1 of the Azul Module: Canadon de Gutierrez Basin". INTA-MAA Project for land reclamation, INTA, Bs. As. Argentina.
- 1989 - **PARODI, G.** and Damiano, F. "An agro-hydrologic Proposal to Control Surface Run-off in Small Undulating Watersheds". Proceedings of the Seminary of hydrology in flatland, Buenos Aires, Argentina.
- 1989 - Damiano, F., Barbagallo, J., Rebori, M. and **PARODI, G.** "Management of run-off in the Depression of the Salado River". In: "Water Management in Argentine Pampas", INTA-CONAPHI publication.
- 1988 - **PARODI, G.** "Carpeta de Programas de Computación para su utilización en el proyecto de obras de control de anegamientos. Programas escritos en BASIC". Publicación en Archivo del Instituto de Agua y Clima. INTA-Castelar.
- 1987 - Barbagallo, J., Damiano, F. and **PARODI, G.** "Agrohydrologic management in the District of Ranchos". INTA-MAA Project for land reclamation, INTA, Bs. As. Argentina.
- 1987 - **PARODI, G.** "Critical Path Method applied to rural conservation practices". INTA, internal reference file (not published).
- 1987 - **PARODI, G.** "Discharge measurements for low energy rural structures". INTA, internal reference issue (not published).

- 1986 - Barbagallo, J., Damiano, F. and **PARODI, G.** "Manual for flood control in low energy areas and footslopes". Course of Excess Water Management in Humid Zones. INTA. Bs. As., Argentina.
- 1985 - **PARODI, G.** "Comparison of different statistical methods from daily and monthly maximum precipitation estimations". INTA internal publication.

Enschede, December 1998