

ENG. JOSE ISAAC CRACOVSKI

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1. EDUCATION

1.1. 1961: "Bachiller" at "Colegio Nacional D.F. Sarmiento".

1.2. 1968: Electromechanical Engineer specialized in Electronics at the Faculty of Engineering of the Buenos Aires University.

1.3. 1961: "Superior Capacity" at the "Asociación Argentina de Cultura Inglesa". Speaks and writes fluently English, Spanish and to a lower extent Hebrew and some French. Some of the Courses taken: "Quality control in Electronics" ("Centro Argentino de TV"). "Stock Management" ("Centro Argentino de Ingenieros, CAI"). "Digital Technology" (CAI). Three courses on "Microprocessors" (IEEE, IIBM, ENTEL). "Color TV" (CAI). "Quality Control" (Telesud). "Solar Energy" ("Universidad Católica"). Windows 3.1 (INTI, 1994). Word 97; Excel 97 and Windows NT4 (EXO, 1998) "Frequency Planning" (Thomson Spectrum, 1999). Voice on IP (June 2000, Centro Capacitación Alta Tecnología).

2. JOBS

2.1. 1962: Pampero (Dumont TV sets).

2.2. 1968: Telesud (Stereo and TV sets under Zenith Radio Co. license). First at the Engineering Department, afterwards in charge of Incoming Quality Control and at last was made responsible of Quality Assurance.

1977: Sent by Telesud to Zenith, Chicago, USA, where he collaborated with Zenith Engineers, in the design of the PAL - N (Argentina, analogical color TV standard) chroma decoder for Zenith color sets.

2.3. 1985: "Laboratorio Nacional de Telecomunicaciones" (LANTEL), which belonged to the Government Communications Ministry and dealing with the type approval – homologation - of Broadcasting and Radiocommunications Equipment). First he worked on Broadcasting. After that was in charge of the Radiocommunications Sector, which deals with homologation and measurement of Cellular Telephony Terminals, SSB, VHF and UHF transceivers, mono and multichannel VHF radiotelephones and Spread Spectrum Transceivers. He prepared the

computer control soft (using IEEE-488 standard) of many of the above mentioned measurements.

Also took part in making the following Argentine Standards: Radio - Links between Studios and Plants, Cellular Telephony (Derived from AMPS), VHF - UHF Data Transceiver and Wireless Telephone Sets.

Was sent to Santa Fe, Rosario and Cordoba (Argentina) for the homologation of broadcasting equipment and to Tucumán for the certification of the Motorola Cellular Radio Plant. Measurements and Standards Department Deputy Director.

2.4. 1985-1992: "Jefe de Trabajos Prácticos" at the Institute of Biomedical Engineering at the Engineering Faculty of Buenos Aires developing electronic equipment for medical research mainly in audiology and cardiology.

2.5. 1988: Deputy Director of the "Centro de Investigaciones y Mediciones en Telecomunicaciones" (which succeeded LANTEL in 1992), of INTI, the latter a Research and Industry Aiding Organization and several times in charge of the Direction.

2.6. October 1993: represented the UN (United Nations) at the New Telecommunications Technologies Congress (SEMINT 93) in Foz do Iguacu, Brazil.

2.7. February 1996: represented INTI (Instituto Nacional de Tecnología Industrial) at the AHCET (Asociación Iberoamericana de Centros de Investigación y Empresas de Telecomunicaciones) Congress of Telecommunications Standardization at Asunción; Paraguay.

2.8. April 1997. Entered the National Communication Commission, CNC (Which operates with the Secretary of Communications), where he is Deputy Director of the Frequency Planning Department, which deals with Spectrum Management, Radiocommunications services regulations and related subjects.

2.9. March 1999: chief of the Argentine Delegation at the International Telecommunications Union (ITU-R) Task Group 8.1 "IMT-2000" (Cellular Phones for the year 2000) at Fortaleza, Brazil.

2.10. March 2000: Member of the Argentine Delegation at the Radiocommunications CCPIII 15th Assembly of CITELE (Interamerican Telecommunications Committee) at Mar del Plata, Argentina.

2.11. May 2000: Member of the Argentine Delegation at the ITU-R World Radiocommunications Conference 2000 at Istanbul, Turkey.

2.12. December 2002. Member of the Argentine Delegation at the Radiocommunications CCPII 1st. Assembly CITELE at Buenos Aires, Argentina.

2.13. 2004 – 2005. Radio Monitoring Protocol Team Leader.

2.14. October 2007. Member of the Argentine Delegation at the ITU-R World Radiocommunications Conference 2007 at Geneva, Switzerland.

2.15. April 12 – 16, 2010. Member of the Argentine Delegation at the ITU-R Conference on Environment and Climate Change at Buenos Aires, Argentina.

3. TEACHING

3.1. Technical Training courses for Telesud's Engineers and Technicians on Color TV and Training Manuals.

3.2. Tutorial: "Principios Básicos de Radio y Electrónica", in "Revista Telegráfica Electrónica" April 1975 - January 1977.

3.3. 1984: "Acoustic Physics" for phonoaudiologists at the Medicine Faculty of the Buenos Aires University, Argentina..

3.4. LANTEL: two courses on Radiocommunications equipment Measurements.

3.5. 1992. Several classes for the Biomedical Engineering School (2nd. Year) at the Engineering Faculty of Buenos Aires.

3.6. 1999 and 2000. Two courses on Cellular Phones and its development to 3rd. Generation at COPITEC.

3.7. 2002. Lecture on Frequency Allocation and Assignment at the "Instituto Tecnológico de Buenos Aires" (ITBA).

3.8. 2005. Presented at CNC two Workshops on "Cell Phones and 4th. Generation".

3.9. August 15, 2008. "Radio Spectrum Management: a Procedure in Permanent Evolution". Lecture at the 2008 URSI General Assembly. Chicago, USA. www.ursi.org

3.10. 17 and 19 December 2008. Short Course on Spectrum Management. CNC.

3.11. March 2009. Lecture: "Introduction to WiMax". At CNC Buenos Aires Radio Monitoring Control Center.

4. INSTITUTIONAL

4.1. 1969-1981: Secretary of the "División Electrónica" of the "Centro Argentino de Ingenieros (CAI)". Participated at the Symposium and two Congress on Engineering Policies organized by said Center.

4.2. 1976: represented CAI at the "Comisión Resolución 100 TV Cromática" of the Communications Ministry, which recommended the PAL - N Standard for color TV now in use in Argentina.

4.3. At IRAM, an Institution making Standards, participated in the following ones: Printed Circuits, RF Cables and Connectors, TV Receiver Measurements, Minimum Standards for TV sets, Electronic Components and others.

4.4. Represented Telesud at the Argentine Chamber of Electronic Industry (CADIE) and also at the Argentine Chamber of Radio and TV Manufacturers (AFARTE). Representing the latter participated in a Safety Standard for X - Ray emission in color sets. Represented LANTEL at the Program for Materials Research and development (PIDEMAT).

4.5. 1976-1977: president of the Technical Committee of the "Radioclub Argentino".

5. PUBLICATIONS

5.1. Since 1968 many papers in "Revista Telegráfica Electrónica" on Radiocommunications, TV, ham radio, biomedicine and general electronics. In said publication was in charge of two permanent sections and translated articles.

5.2. Papers in QST (USA), Electronics & Wireless World (UK) and RF Design (USA).

5.3. "Emerging Technology: Ultrawide Bandwidth", published in Spanish by CNC. January 2008. <http://www.cnc.gov.ar/institucional/biblioteca/publicaciones.asp>

6. MISCELANEOUS

6.1. Performing electronic activities since 1957.

6.2. Ham radio operator since 1964 (LU5AFQ), belongs to "Categoría Superior".

6.3. Designed and built most of his amateur equipment.

6.4. 1972: experiments with dogs in collaboration with a traumatologist on fractures healing employing direct current.

6.5. Free lance designs and advice in communications, medical equipment and general electronics.

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