EDUCATION AND TRAINING

1972-1977 - Chisinau Polytechnical Institute –   BS on Electronics,

1979-1982 –   Chisinau Polytechnical Institute - PhD on Electronics, Chisinau, MOLDOVA.

PERSONAL SKILLS

Mother tongue (s)   Romanian   - native language

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A1	B1	A1	A1	B1
French	A1	A1	A1	A1	A1
Russian	C2	C2	C1	C2	C2

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

- IBM360/370 system software ;
- PDP/VAX system software (RT-11, RSX-11, RTS-11, VMS);
- PC system software (MS DOS till 6.22, MS Windows-98, -NT, -2005 - XP; MS Office, MS Power Point, MS Outlook, MS Teams, MS Visio);
- MP embedded systems based on Motorola MC68HC11/12, ATMEL, MSP430, NEC V8500, ARM7/9 and other processor families;
- Programming languages and development tools:
- Algol, PL/1, Fortran (OS 360/370) ;
- Assemblers, PL-11,C, Fortran (RT-11, RSX-11, RTS-11);
- C , C++ (thorough); Borland C++ Builder; MS Visual Basic;
- SQL ; MS Access 97/2000; MS SQL Server 7;
- Power Builder 5.0.
- .NET (Dot NET) languages and technologies (**ASP.NET, C#**)

Driving licence   B

ADDITIONAL INFORMATION

Publications
Projects and
Conferences

Publication

- Manuals and monographs – 4,
- Scientific papers   – 174,
- Other didactical papers   – 39

Domains of professional interest:
- ✓ Digital units testing algorithms & equipment E&I,
- ✓ Embedded Microprocessor controlled equipment E&I,
- ✓ Satellite communications,
- ✓ Microsatellite system development;
- ✓ Radio Frequency and command systems for satellite communication ground stations;
- ✓ Automotive Embedded Microsystems, LAN, CAN.
- ✓ Teaching courses at the Chisinau Technical University:
- ✓ Industrial microcontroller networks.
- ✓ Data bases E&I.

Projects:

1. Development of operational system and research of satellites dynamics and attitude in space conditions. 2011-2012 (11.838.06.01A) ME, Technical University of Moldova, acad. Bostan Ion.

2. Development of the earth's surface image capturing system for the microsatellite. (11.838.06.07A). 2011-2012 TUM, acad. Bostan Ion., Institute of electronics engineering and Dumitru Ghitsu", ASM, acad. Cantser Valeriu.

3. Research of the microsatellites attitude control methods and procedures for capturing processing and real time image transmission. (11.838.06.04A). 2011-2012 ME, Technical University of Moldova, dr. Secrieru Nicolae.

4. Orientation and stabilization methods on capturing images from long distances associated with real time coding, compression, protection and transmission. (10.820.08.08GA). 2010, ME, Technical University of Moldova, dr. Secrieru Nicolae, University Siegen, Germany, prof. Christoph Ruland.

5. Equipment for microsatellites stabilization, orientation and attitude control for image geometric distortion of the captured images for research and education. (12.220.15.08A). 2012, ME, Technical University of Moldova, Acad. Bostan Ion.

6. Ground stations and microsatellite communication, capturing images transmission methods and procedures research. (13.827.16.03A , 2013-2014), ME, Technical University of Moldova, dr. Secrieru Nicolae.

7. Creating Digital Network Universities In Applied Science Themes And Economics In Moldova (CRUNT). 2011-2014, (516597-TEMPUS-1-2011-1-FR). ME, Technical University of Moldova, Acad. Bostan Ion.

8. Connecting the infrastructure of National Centre of Space Technologies (NCST) to Global Educational Network for Satellite Operations. 346-99202/CE. ME, Technical University of Moldova, Acad. Bostan Ion.

9. Development of ground stations satellite communication network as a platform for cooperation with European partners in space technology. 2016-2019, (16.80013.5007.09/Ro) ME, Technical University of Moldova – Institute Space Science, ROSA, Romania

10. Development and launch of the series of nanosatellites with research missions from the International Space Station, their monitoring, post-operation and the promotion of space technologies. - project nr. *20.80009.5007.09* of State Program 2020-2023, manager prof. V.Bostan.

11. Cross-Border Regional Hub of Competences for the Automotive Industry (CROSSCOMP) - 2SOFT/1.1/11" , 2020-2022 - Technical University Gheorghe Asachi from Iasi; Technical University of Moldova; State Agrarian University of Moldova.

Conferences

Permanent Member of Organization Committee (1995-till present) of International Conference "Telecommunications, Electronics and Informatics" (ICTEI) and International Conference on Microelectronics and Computer Science (ICMCS).

7/1/2021