

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name Acad. Prof. DScTech Eng. Zhivko Stoyanov Zhekov
Address Bulgaria, Shumen, Bul. Veliki Preslav 5, Entr. A, App. 11
Telephone
Mobile **0899868320**
E-mail **zhekovz_z@abv.bg**
Fax

Nationality Bulgarian
Date of birth 03. Dec. 1951

WORK EXPERIENCE

- Dates 2010 until now
- Name and address of employer Shumen University "Ep. Konstantin Preslavski", Technical Faculty
- Type of business or sector Education
- Occupation or position held Lecturer in:
Optical and laser devices
Copyright and patents
Methodology of Design
Metrology
Standardization, Control and Quality Management
Engineer, Transportation and Information Logistics
Engineer ecology and Ecology Management
- Main activities and responsibilities Teaching
- Dates From 1974 until now
- Name and address of employer Space Research and Technology Institute
- Type of business or sector Scientific Research
- Occupation or position held Manager of Shumen Department
- Main activities and responsibilities Managing the scientific activities of the department
- Dates 1974-1986
- Name and address of employer National Military University, Faculty Artillery, AAD and CIS
- Type of business or sector Education
- Occupation or position held Lecturer
- Main activities and responsibilities Teaching the subjects:
Basics of Optical Devices Design
Optical and Laser Devices
Electronic-Optical Devices for Night Vision

EDUCATION AND TRAINING

- Dates
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
- Level in national classification (if appropriate)

1984
Military Academy "G. Sava Rakovski"

Pedagogy Course

- Dates
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
- Level in national classification (if appropriate)

1979
Penza Artillery Engineering University Marshall Voronov, Russia

Optical, Electronic-Optical and Quantum Devices

- Dates
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
- Level in national classification (if appropriate)

1969-1974
Military University of Artillery, Shumen

Machine Technology
Artillery Armouring
Engineer of Machine Technology

Master

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

BULGARIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

Russian

Excellent
Excellent
Excellent

- Reading skills
- Writing skills
- Verbal skills

German

Good
Good
Good
Cat. C1

DRIVING LICENSE(S)

TECHNICAL SKILLS AND COMPETENCES

SCIENTIFIC RESEARCH
COPYRIGHT AND PATENTS
OPTICAL AND LASER DEVICES AND METHODS
LOGISTICS
STANDARDIZATION, CONTROL AND QUALITY MANAGEMENT
ENGINEER AND INFORMATION LOGISTICS
ECOLOGY AND ECOLOGY MANAGEMENT
METHODOLOGY OF DESIGN (SYSTEM ANALYSIS)

ACADEMIC DEGREES

2009

Professor Certificate № 25503 from 21.04.2009 in Scientific Subject 02.05.19. „Optical and Laser Devices and Methods” – Higher Attestation Committee at the Council of Ministers

2008

Senior Scientific Assistant I Class Certificate № 24732 from 22.01.2008 in scientific subject „Optical and Laser Devices and Methods” – Higher Attestation Committee at the Council of Ministers

2006

Doctor of Technical Sciences Diploma № 30773 from 14.08.2006 on the topic “Methods and Means for Discovery of Distant Objects from Space Aircraft”, Higher Attestation Committee at the Council of Ministers

1987

Senior Scientific Assistant II Class Certificate № 9761 from 03.01.1987 in scientific subject 01.04.08. „Physics of the Ocean, the Atmosphere and Space around the Earth” Higher Attestation Committee at the Council of Ministers

1983

Candidate of the Physics Sciences Diploma № 13025 from 27.07.1983 on the topic „Optical and Electronic-Optical Devices for Scientific Research in the Sphere of Space Physics” in scientific subject 01.04.08. „Physics of the Ocean, the Atmosphere and Space around the Earth” Higher Attestation Committee at the Council of Ministers

ADDITIONAL INFORMATION

Monographies

1. Zhekov Zh. Optical Methods and Devices for Discovery of Distant Objects from Space Aircraft". Publ. Shumen University "Ep. K. Preslavski", Shumen, 2007, 308p.
2. Zhekov Zh. Optical Systems for Observation of Distant Objects. Publ. Shumen University "Ep. K. Preslavski", Shumen, 2007, 251p.
3. Zhekov Zh. In: Dynamics of Pointing and Controlling Systems of Rockets (Textbook) I.D. Kamburov and V. Y. Ivanov, Annex 1 – 4 Military University of Air Defense "G. Benkovski" Dolna Mitropoliya, 1986, p. 165-280
4. Zhekov Zh. Technical Optics in Space Research, Acad. Publ. "Prof. Marin Drinov", Sofia, 2010, 312 p.

Patents and Inventions

1. Zhekov Zh, I. Kirchev, S. Stefanov. Sight with continuous variable magnification Copyright certificate for invention № 59921, BPO (Bulgarian Patent Office), 1986 (classified information)
 2. Zhekov Zh., G. MARDIROSSIAN, S. Stoyanov, T. Terziev, V. Germanov, Spectrophotometer for research of the Atmosphere. Patent for invention BG65668B1 issued 26.08.2009 Patent Office of Republic of Bulgaria
 3. Zhekov Zh., G. MARDIROSSIAN, P. Getsov, S. Stoyanov, I. Hristov, Satellite Spectrophotometer for Research of Small Gases in the Atmosphere. Patent of Invention BG65707B1 issued 26.08.2009 Patent Office of Republic of Bulgaria
- Zhekov Zh., G. MARDIROSSIAN, S. Stoyanov, Device for Evaluation of the Characteristics of Electronic-Optical Transformers. Patent for Invention BG65812B1 issued 21.01.2010 Patent Office of Republic of Bulgaria

Copyright of Industrial Specimen and Useful Models

1. Zhekov Zh., G. MARDIROSSIAN, S. Stoyanov, P. Getsov, Spectrophotometer for Registering of Fast Going Processes. Certificate for Registration of a useful Model BG1119U1 issued 15.01. Patent Office of Republic of Bulgaria
2. Zhekov Zh., G. MARDIROSSIAN, S. Stoyanov, P. Tetsov, Sight with Discreet Variable Magnification, Certificate for Registration of Useful Model BG1128U1 issued 20.01.2009, Patent Office of Republic of Bulgaria

SCIENTIFIC AND APPLIED ACTIVITIES

Manager of Developed and Incorporated Device for International Space Projects in Bulgaria

1. Visir – sight 15K for Spectrozonol device Specter 15 on the Board of Orbital Station "Salyut 6"
2. Visir B3x40 – for the Photometric Device "Daga" on the Board of Orbital Station "Salyut 6"
3. Photometric Objective for the Photometric Device "Daga" on the Board of Orbital Station "Salyut 6"
4. Visir – Pancratic for guiding of Impulse photometric Device "Terma" on the Board of Orbital Station "Mir"
5. Device Paralax, in cooperation with colleagues from Base Observatory for Space Research, Paralax – Zagorka, on the Board of Orbital Station "Mir"
6. Impulse Photometric Device "Terma" on the Board of Orbital Station "Mir"
7. Satellite Spectrophotometer – type Monochromator for Satellites of the type Meteor 3, Meteor 4

Scientific and Applied Activities – International Projects:

1. Project for the First Bulgarian Spaceman
 - Visir B 3 x 40 for Electrophotometric device "Daga";
 - Visir-sight 15K for Spectrozonol device "Specter 15";
 - Photometric Objective for Electrophotometric Device "Daga"
2. Project "Shipka"
 - Impulse Photometric Device "Terma"
 - Electronic-Optical Device "Paralax"
3. Project "Bulgaria 1300"
 - Device "EMO – 5";
 - Device "PHOTON 1".
4. Project INTERBOL – Apparatus UFSIPS
5. Project FOBOS – Mechanical Construction of Bolts
6. Project "Meteor - Ozone".
7. Project "Apex".

Implemented Devices on Earth:

1. Collimators and autocollimator for Space Research Institute and Technologies – Bulgarian Academy of Sciences
2. Stand-Collimator 9B852Y/CU – 01. Contract № 1/24 from 27.01.1991
3. Modernization of Collimator 9B815M. Contract № 1/BM3 from 1994
4. Collimator 9B813B. Contract № 2/BM3 from 1997
5. Spectrophotometer for Analysis Contract № 1/13 from 01.04.1989r.
6. Stand for Airtight Testing Contract № K22A from 19.05.2004r.
7. Device for Testing the Tearing Efforts. Contract № K11 from 22.10.200r.
8. Controllable testing Collimator CY – 01. Vazov Machinery Plants Contract № 1/25 1992

Awards:

1. "Honorary Rationalisator".
2. Award of the National Committee for Science and Technical Progress. "Contribution to the Technical Progress in Bulgaria" Diploma № П-409 from 10.04.1980r.
3. Award of the National Committee for Science and Technical Progress. "Contribution to the Technical Progress in Bulgaria" Diploma № П-412 from 29.04.1982r.
4. Award of the Council of Ministers of Republic of Bulgaria with Decree № 2115 from 14.07.1983 with Medal of Labor – gold

MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS AND GROUPS

1. Association "Scientific and Applied research" – Chairman
2. Scientific Technical Associations in Bulgaria
3. Association of the Physicists in Bulgaria.
4. Association of the Scientific Workers in Bulgaria.
5. Bulgarian Space Association.
6. Bulgarian Space Federation.
7. International Space Federation IAF – Paris

INTERNATIONAL PUBLISHING

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ANNEXES

List of Publications and Scientific Papers