

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION



Name **ANDREESCU, CRISTIAN NICOLAE**
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E-mail andreescu.cristian@gmail.com
Nationality Romanian
Date of birth 9-th of March 1949

WORK EXPERIENCE

- Dates (from – to) October 1997 - Current
- Name and address of employer University "POLITEHNICA" of Bucharest, 313 Spl. Independentei, Sect. 6, Bucharest, ROMANIA
- Type of business or sector Higher education
- Occupation or position held Professor
- Main activities and responsibilities **Teaching:** Automobile Dynamics, Automobile Maintenance and Diagnosis, Automobile Reliability, Environment and Resources Protection, Alternative Fuels for Automobiles, Tractors. President and member of the automotive engineering diploma examination board. Member of several doctoral thesis examination committees.
Deputy dean: 1996 – 2000 of the Transportation Faculty.
Head of the Automotive Engineering Department and member of the University Senate: 2000 – present.
Research: Computer aided simulation of the thermo-dynamic processes in the internal combustion engines; Hybrid automobiles; Development of equipment and techniques for automobile diagnosis; Study of automobile reliability; Improvement of urban traffic; Intelligent transport systems; Study of reducing the environment pollution produced by automobile.
Surveyor and evaluator in national research programs such as RELANSIN Program since 2000, AMTRANS Program since 2002 and Research of Excellence Program since 2006. Expert for the higher education and research activities within the Romanian Ministry of Education and Research. Member of the Scientific Council of AGIR (Engineers General Association of Romania).

- Dates (from – to) October 1990 – September 1997
- Name and address of employer University "POLITEHNICA" of Bucharest, 313 Spl. Independentei, Sect. 6, Bucharest, ROMANIA
- Type of business or sector Higher education
- Occupation or position held Reader
- Main activities and responsibilities **Teaching:** Automobile Maintenance and Diagnosis, Automobile Reliability, Reducing the Environment Pollution Produced by Automobile, Alternative Fuels for Automobiles, Tractors.
Research: Computer aided simulation of the thermo-dynamic processes in the internal combustion engines; Development of equipment and techniques for automobile diagnosis; Study of automobile reliability.
Member and president of several committees for the assessment of several Romanian national research institutes activity such as: CESAR Pitesti, CESAR Câmpulung Muscel and MASTER S.A.: (1991 – 2000)

- Dates (from – to) September 1980– September 1990

- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Polytechnic Institute of Bucharest, 313 Spl. Independentei, Sect. 6, Bucharest, ROMANIA

Higher education

Senior lecturer

Teaching: Automobile Maintenance and Diagnosis, Automobile Reliability, Reducing the Environment Pollution Produced by Automobile, Tractors.

Research: Computer aided simulation of the thermo-dynamic processes in the internal combustion engines; Variable distribution systems for internal combustion engines; Study of cyclic dispersion phenomenon in spark ignition engines; Development of equipment and techniques for automobile diagnosis.

- Dates (from – to)

September 1972– September 1980

- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Polytechnic Institute of Bucharest, 313 Spl. Independentei, Sect. 6, Bucharest, ROMANIA

Higher education

Assistant lecturer

Teaching: Internal combustion engines, Automobile fuels and lubricants, Reducing the Environment Pollution Produced by Automobile, Alternative Fuels for Automobiles.

Research: Improvements of the Romanian automobile engines; Design and development of new Romanian automobile engines; Study of cyclic dispersion phenomenon in spark ignition engines; Development of equipment and techniques for automobile diagnosis.

EDUCATION AND TRAINING

- Dates (from – to)

1974 - 1988

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Polytechnic Institute of Bucharest, Higher Education

Thesis title: *“Study of Cyclic Dispersion Phenomenon in Spark Ignition Engines Running at Partial Loads”*; Studies of combustion in spark ignition engines. A physical - mathematical model of the flame nucleus formation and development in the spark ignition engine was created. It was conceived an efficient method for determining the parameters of a Vibe - type burning rate by computer aided processing of the indicated pressure diagram. The ways and means of action in order to reduce the cyclic dispersion amplitude in spark ignition engines were specified.

PhD

- Title of qualification awarded
- Level in national classification (if appropriate)

- Dates (from – to)

1967 – 1972

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Polytechnic Institute of Bucharest, Higher Education

Automotive engineering; mechanical engineer

- Title of qualification awarded
- Level in national classification (if appropriate)

Masters Degree

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

ROMANIAN

OTHER LANGUAGES

- Understanding skills
 - Speaking skills
 - Writing skills
- Understanding skills
 - Speaking skills
 - Writing skills

SOCIAL SKILLS

AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

ORGANISATIONAL SKILLS

AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

TECHNICAL SKILLS

AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

OTHER SKILLS

AND COMPETENCES

Competences not mentioned above.

ENGLISH

C1 PROFICIENT USER
C1 PROFICIENT USER
C1 PROFICIENT USER

FRENCH

C1 PROFICIENT USER
C1 PROFICIENT USER
C1 PROFICIENT USER

Team work: During the last 13 years I was the head of the Automotive Engineering Department, in which position I led the activity of about 35 people that are working in this department. I have worked, as director or member, in several research teams, including specialists from different research institutions and having different specializations. I also worked in teams with journalists in several editorial staffs and in organizing special events like the competition "Car of the Year in Romania" and "BUCHAREST AUTO SHOW & Accessories". I have been the president of two editions (2003 and 2009) of the International Conference "FUEL ECONOMY, SAFETY and RELIABILITY of MOTOR VEHICLES - ESFA".

Mediating skills: I have been mediator for several workshops organized by the Automobile Engineers Review and by the Automotive Engineers Society of Romania (SIAR) and chairman of different sections of international scientific conferences and congresses. I also proved my mediating skills in many susceptible situations as deputy dean and chief of the Automotive Engineering Department.

Communication skills: I proved good communication skills as member of an academic staff at all its levels. I also proved these qualities in my editorial work materialized in several books, articles and conferences.

Intercultural skills: I have experienced at working in multinational dimension such as being a member of the scientific committee of CODATU (Coopération pour le Développement et l'Amélioration des Transports Urbains).

I proved good organizational skills as deputy dean, head of Automotive Engineering Department at University "Politehnica" of Bucharest, editor in chief of "Automobile Engineers Review", president of "Romanian Motoring Press Association", president of the press centre of "Bucharest Auto Show – 1997".

I also used my organisational skills as chief of research teams for seven projects and as president of the organizing committee of ESFA 2003 and 2009 International Conferences.

As specialist in automotive engineering, I have a large technical background, especially in internal combustion engines, automobile testing, diagnosis and technical maintenance, vehicle dynamics.

I have skills in computer assisted modelling of thermo-dynamical and mechanical processes. I have also abilities in desktop publishing.

- Corresponding member of Technical Sciences Academy of Romania;
- Founding member of Automotive Engineers Society of Romania (SIAR);
- Member of the board of directors and vice-president of SIAR;
- Founding member and president (2000-2004) of the Romanian Motoring Press Association;
- Member of the Society of Automotive Engineers – USA;
- Member of the Société des Ingénieurs de l'Automobile – France ;
- Member of the Directory Council of the Organism for Products Certification of the Romanian Auto Register (1996 – 2000);
- Member of the Administration Council of the National Company of Highways and National Roads (2002 – 2004);
- Member of the Scientific Committee and president of a section of the International Congress „CODATU, Bucarest 2004” (Coopération pour le Développement et l'Amélioration des Transports Urbains);
- Expert for the higher education and research of Minister of Education;
- Member of the Scientific Committee of AMCSIT;
- Member of the Scientific Committee of AGIR (Engineers General Association of Romania);
- Member of the National Council for University Titles, Diplomas and Certificates Attestation.

ADDITIONAL INFORMATION

PUBLICATIONS

Books:

1. Nastasoiu, S., **Andreescu, C.**, Popescu, S., Fratila, Gh., Cristea, D., **Tractors**, Didactic and Pedagogic Publishing House, Bucharest, 1983
2. **Andreescu, C.**, Teodorescu, Cl., Oprean, I.M., Dragan, V., Cristea, G., **Numerical Applications on Automobile Reliability Study**, MAGIE Publishing House, Bucharest, 1996, ISBN 973-95856-0-4
3. Danciu Gr., Mateescu V., **Andreescu C.**, **Automobile Electrical Equipment**, University "POLITEHNICA" of Bucharest, 1996
4. **Andreescu, C.**, Oprean, M., **Tractor Dynamics**, Publishing House of the University "POLITEHNICA" of Bucharest, 1997
5. Oprean, M., **Andreescu, C.**, **Automatic Transmissions for Automobiles (I). Hydraulic Transmissions**, Publishing House of the University "POLITEHNICA" of Bucharest, 1997
6. **Andreescu, C.**, Teodorescu, Cl., Oprean, M., Danciu, Gr., Drăgan, V., **Techniques and Equipment for Automobile Diagnosis – Guide for Practical Activities**, Publishing House of the University "POLITEHNICA" of Bucharest, 1997
7. . Stratulat, M., **Andreescu, C.**, **Automobile Diagnosis**, Societatea Știință și Tehnică S.A., Bucharest, 1998; ISBN 973-9236-367.
8. **Andreescu, C.**, Oprean, M., Danciu, Gr., Anghelache, G., **Automobile Diagnosis - Practical Activities**, „PRINTECH” Publishing House, Bucharest, 2002; ISBN 973-652-573-2.
9. Anghelache, G., **Andreescu, C.**, Piticar, I. et all. Elements of Accidentology and Road Safety, VIS PRINT Publishing House, Bucharest, 2005, ISBN 973-648-378-9
10. **Andreescu, C.**, Fratila, Gh., Vladu, C., Moiescu, Raluca, Raicea, Cornelia, Toma, M., **Romanian/English/Franch/German Explanatory Dictionary,,Road Transports (Leters A - K)**, under the aegis of the Romanian Academy Committee for the Exact Sciences Terminology, AGIR Publishing House, Bucharest, 2006. ISBN 973-720-072-1, 978-973-720-072-3.
11. **Andreescu, C.**, Fratila, Gh., Vladu, C., Moiescu, Raluca, Raicea, Cornelia, Toma, M., „ **Romanian/English/Franch/German Explanatory Dictionary,,Road Transports (Leters L - Z)**, under the aegis of the Romanian Academy Committee for the Exact Sciences Terminology, AGIR Publishing House, Bucharest, 2009 ISBN 978-973-720-249-9.
12. **Andreescu, C.**, „On-wheels Vehicles Dynamics. vol. I”, POLITEHNICA PRESS Publishing House, Bucharest, 2010, ISBN 978-606-515-107-9
13. **Andreescu, C.**, Anghelache, G., Toma, M., „Means of Conveyance Maintenance”, Academy of Romanian Scientists Publishing House, Bucharest, 2011, ISBN 978-606-8371-52-8

Articles published in scientific journals: 39

Papers published in international conferences proceedings: 50

Papers published in national conferences proceedings: 14

Other papers presented at scientific conferences: 12

Articles published in technical magazines: 13

Director of the research team: 12 programs

Member of the research team: 34 programs

Scientific reviewer for eight books:

1. Manea, C., Stratulat, M., **Automobiles Reliability and Diagnosis**, Military Publishing House, Bucharest, 1982;
2. Stratulat, M., **Rational Use of the Automobile**, Military Publishing House, Bucharest, 1986;
3. Anghelache, G., Teodorescu, Cl., **Testing and Evaluation of Tyre like Component Part of Motor Vehicle**, BREN Publisher, Bucharest, 2002
4. Anghelache, G., **Control and Softening of Automobile Noise and Vibrations – Tire – Road Interaction**, BREN Publisher, Bucharest, 2002
5. Popa, M., G., **Moteurs à combustion interne: guide de conception**, Editura Matrix Rom, București, 2005;
6. Negurescu, N., Pană, C., Popa, M., G., **Spark Ignition Engines – Processes**, Matrix Rom Publishing House, Bucharest, 2009
7. Sebeșan, I., Mazilu, T., **Railway Vehicles Vibrations**, MATRIX ROM Publishing House, Bucharest, 2010, ISBN 978-973-755-612-7

8. Mateescu, V. si Voloacă, Șt., **Sisteme de frânare, direcție și suspensii, volumul 1, Punți și suspensii – Lucrări practice**, Editura POLITEHNICA PRESS, București, 2012

