

CURRICULUM VITAE



Personal information

Name/Surname

Cao Minh Anh

Address

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Citizenship

VIETNAM

Date of birth

21th of Oct, 1986

Gender

M

**Professional
Experience**

Dates

2012 – 2013

**Occupation or position
held**

Automatic engineering.

**Main activities and
responsibilities**

- Maintain advanced process control systems (loop tuning - LPMS, advanced process control improve the performance the control systems to achieve, continually improved and sustain key performance index (KPI).

-Provide technical support regarding to instrumentation and control systems.

-Engineering design review for instrumentation and control systems.

- Project : *Loop Performance Management System* at Binh Son Refinery, Quang Ngai, Vietnam.

**Name and address of
employer**

Energy Technical Service J.S.C (ENERSEV)


Domain of activity

Automation Control

A blue ink handwritten signature, appearing to be 'Minh Anh CAO', written in a stylized, cursive script.

Education and training

Dates	2013 – present
qualification	PhD
Main study field	Systems engineering
Name and type of organisation providing education and training:	Petroleum and Gas University of Ploiesti
Dates	2010 – 2012
Title of qualification awarded	Master of Engineering
Principal subjects/occupational skills covered	<ul style="list-style-type: none">- Deepening the field of systems engineering, modeling, simulation and advanced regulation of industrial processes;- Development and implementation of conventional and advanced analog and digital automation systems and equipment;- Development of skills in the field of regulation and theoretical and experimental tuning of conventional type regulators (PID) and advanced type (fuzzy, predictive, with internal model, with neural networks, etc.);- Training and development of the capacity for research, implementation and efficient operation of distributed systems of supervision, control, protection and safety;- Training and development of the capacity for research, implementation and efficient operation of modern automatic systems in drilling, extraction, transport of petroleum products, in the chemical and petrochemical field;- Development of capacity and work skills in the field of advanced measurement technology and programmable automatic.
Name and type of organisation providing education and training	Petroleum and Gas University of Ploiesti
Dates	2006 – 2010
Title of qualification awarded	Diploma Engineer
Principal subjects/occupational skills covered	Automatic monitoring and regulation of industrial processes and installations, especially in the chemical, petrochemical, oil, energy, and machine building industries; -Use of industrial - robots and flexible robotic lines



- Designing, operation and maintenance of automation equipment.
- Designing and building automatic systems for process monitoring and control.

Name and type of organisation providing education and training

Petroleum and Gas University of Ploiesti

Dates

2005 – 2006

Title of qualification awarded

Engineering informatics

Name and type of organisation providing education and training

Hanoi National University

Personal skills and competences

Mother tongue(s)

Vietnamese

Other language(s)

English (Good), Romanian(good).

Social skills and competences

Team work.

Quick adapting to multicultural environments due to work experience and abroad activities.

Computer skills and competences

- PLC Programming /Control
- Knowledge about SCADA, ROBOT
- Proficiency with special software (Matlab, Labview, Protel, AutoCad, WinCC, Step7, ...), programming languages(Visual Basic, C, C++, ASM, Pascal,C+ Builder...), medii de simulare Hysys, Unisim.
- Familiar with Microsoft Office and finding Information from Internet.
- Talented in quickly mastering new technologies.

Artistic skills and competences

Playing instruments: piano and electronic keyboard.

Driving licence

B (automobile max. 3500Kg.)

**Scientific papers
publications:**

1. Cao Minh Anh; Olteanu, Marius; Paraschiv, Nicolae, *Specific Problems of the Propylene-Propane Distillation Column Control with Heat Pump*, Conference: 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Iasi, ROMANIA Date: JUN 28-30, 2018 Computers and Artificial Intelligence Published: 2018.
2. C. Patrascioiu, M.A. Cao, M. Popescu, *Characterization and Control of the Distillation Column with Heat Pump*, ECAI 2016 - International Conference – 8th Edition Electronics, Computers and Artificial Intelligence 30 June -02 July, 2016, Ploiesti, ROMANIA.
3. Patrascioiu, Cristian; Paraschiv, Nicolae; Minh, Anh Cao; et al., *Robust Control of Industrial Propylene-Propane Fractionation Process, Conference*, 12th International Symposium on Process Systems Engineering (PSE) / 25th European Symposium on Computer Aided Process Engineering (ESCAPE), Location: Copenhagen, DENMARK, Date: MAY 31-JUN 04, 2015, Pages: 1745-1750 Part: B Published: 2015.
4. Patrascioiu, Cristian; Cao Minh; Popescu, Marian, *Control of Propylene – Propane Distillation Process using Unisim Design*, By: Conference: 19th International Conference on System Theory, Control and Computing (ICSTCC) Location: ROMANIA , Date: OCT 14-16, 2015 , Pages: 747-752 Published: 2015.
5. Minh Anh Cao; C. Patrascioiu ; N. Paraschiv, *Modeling and dynamic simulation of propane-propylene distillation column with heat pump using Aspen Hysys*, 2019 23rd International Conference on System Theory, Control and Computing (ICSTCC) Year: 2019 | Conference Paper | Publisher: IEEE.
6. C. Patrascioiu, M.A. Cao, *Trends into the propylene – propane distillation simulation using Unisim Design simulator*, Bulletin of Romanian Chemical Engineering Society, Vol. 3, nr. 1&2, Bucuresti, 2016, p.146-154.
7. C. Patrascioiu, M.A. Cao, *A Comparative Study of the Modeling and Quality Control of the Propylene-Propane Classical Distillation and Distillation Column with Heat Pump*, World Academy of Science, Engineering and Technology, International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, Vol.11, 2017, p.394-399.

