

Curriculum Vitae



Last name	SOTA
First name	Ion
Date of birth	18.03.1967, Bucharest
Marital status	Married, 3 children
Nationality	Romanian

Position	Vice-dean Faculty of Building Services Engineering, UTCB
University education	Engineer Diploma (master level)
1986-1991	Faculty of Building Services, Civil Engineering Institute Bucharest (today UTCB)
Doctoral studies	Ph.D. in Mechanical Engineering (cum laudae) :
2000	“Contribuții la simularea numerică a proceselor termice disipative prin metoda elementului finit/Contributions to numerical simulation of thermal dissipative processes by finite element method” Technical University of Civil Engineering Bucharest (UTCB)
Teaching Activity Activitatea universitară - Învățământ	
1991-1995 / 1999	Junior Assistant / Senior Assistant Technical University of Civil Engineering Bucharest (UTCB)
1999- present	Lecturer Technical University of Civil Engineering Bucharest (UTCB)
2019 (1 week)	Professeur invité Institut National de Sciences Appliquées, INSA-Strasbourg, France
University Courses (Batchelor level)	
1991-present	Engineering Thermodynamics (in romanian and french) Heat Transfer (in romanian and french) Faculty of Building Services Engineering (FII-UTCB)
1995-2008	Gas Dynamics (in romanian and french) Faculty of Building Services Engineering (FII-UTCB)
1993-1999	Atmosphere Pollution Physics Faculty of Building Services Engineering (FII-UTCB)
University Courses (Master level)	
2011-present	Advanced Engineering Thermodynamics (in romanian)
2016-present	Advanced Engineering Thermodynamics (in french) Faculty of Building Services Engineering (FII-UTCB)
Research mobility	
1993 (5 months)	Modélisation numérique des transferts thermiques en écoulements di-phasiques dans les échangeurs a plaques Université de Liège (ULG), Belgium
Relevant research contracts participation	
2005-2006	Thermodynamic analysis of cryogenic cycles for helium liquefaction
Main research directions	- Numerical modeling of heat transfer and fluid flow processes - Modeling and simulation of thermal systems - Thermodynamic analysis for renewable energy resources; cogeneration cycles - Thermal systems optimization

Publications	• 10 articles in scientific journals and proceedings • 5 research contracts participant • reviewer Clima 2019
Foreign Languages	French – writing / reading / speaking – C1 English – writing / reading / speaking – B2
Software	Programming software (BASIC) Scientific Software (EES)
Management experience	• Vice-dean, Faculty of Building Services Engineering (FII-UTCB), 2016-2024 • Director of "FIITU" subproject for FII, part of the „Romania Secondary Education Project, (ROSE)" project of „Ministry of National Education" with World Bank financing, to reverse declining university enrollment in the bachelor degree first year, 2019-2023 • Jury committee president at the National Contest for high school students „Sciences and Technologies" held at Technical High School „Elie Radu" from Ploiești City, 2016, 2017, 2018, 2023, and 2024 editions • Jury committee member at the National Contest "Bourses du Gouvernement Français (France Excellence) Master et Doctorat" organized by French Embassy in Romania and French Institute in Romania, 2018, 2019, 2020 and 2021 editions • Expert for accessing structural and cohesion funds, code COR 242213 • Project Manager, code COR 242101 • Graduate of the training program, "Politică Publică de Operaționalizare a Centrului de Profesionalizare a Managementului Universitar, CPMU" developed by the Romanian Academy within the european grant "Dezvoltarea capacității Ministerului Educației Naționale de monitorizare și prognoză a evoluției învățământului superior în raport cu piața muncii", code SIPOCA 3, • NATO Advanced Study Institute, "Heat transfer enhancement of heat exchangers", Çeşme, Izmir, Turkey, May 25-June 5, 1998 • NATO Advanced Study Institute, "Low Temperature and Cryogenic Refrigeration", Çeşme, Izmir, Turkey, June 23 July 5, 2002
Professional address	Bd. Pache Protopopescu no. 66, Sect. 2, 021414 București, România Mobile : + 40-(0)722 599 530 Fax : + 40-(0)21 252 68 80 E-mail : sotaionut@gmail.com Profile : Web of Science ResearcherID: IAQ-6755-2023 https://www.researchgate.net/profile/Ion_Sota https://scholar.google.com/citations?user=-PaJv8UAAAJ&hl=ro

16 May 2025, Bucharest