



VACANT POSITION

LIMBA ENGLEZĂ

University	"MIHAI VITEAZUL" NATIONAL INTELLIGENCE ACADEMY, BUCHAREST
Faculty	
Department	National Center for Modelling and Simulation in Intelligence (NCMSI)
Position	133
Academic Title	Second Degree Scientific Researcher
Field of expertise	Modelling and simulation of security and Intelligence issues
Scientific Area	Intelligence and national security
Job description	<p>In order to occupy this position, there are certain conditions that must be fulfilled, as follows: (a) in-depth specialized knowledge; (b) competencies and professional skills in the field and (c) fulfillment of the criteria set out in Article 14 C, alin. (4) from the Methodology for occupying vacant teaching and research positions in "Mihai Viteazul" National Intelligence Academy. The job holder will cooperate with colleagues from the NCMSI, as well as with colleagues from other research departments from MVNIA in order to conduct his/her daily activity, while following the principles and the interdisciplinarity criteria relevant for conducting scientific research activity. The job holder is directly subordinated to the Head of the Center.</p> <p>Competencies/skills:</p> <ul style="list-style-type: none"> - professional skills of fundamental and applied scientific research in the field; - specialized scientific communication skills <p>The job requires for the fulfillment of a research work norm of 8hours/day, 5 days/week, according to the provisions of the Law 319/2003 on the Status of research and development personnel and of the Law 53/2003 - Labor code, with subsequent amendments and completions.</p> <p>The position also includes holding a research position with military status.</p> <p>In this context, the occupancy of this position will be done in accordance with the provisions of Law no. 80/1995 and of the normative acts applicable to military educational institutions, provided that the selection stages are completed, as provided in Art. 59 from the Methodology for occupying vacant teaching and research positions in "Mihai Viteazul" National Intelligence Academy.</p> <p>The general and specific conditions to be met in order to occupy the position of Second Degree Scientific Researcher are provided in the Methodology for occupying vacant teaching and research positions in "Mihai Viteazul" National Intelligence Academy.</p>
Attributions/related activities	<p>General attributions:</p> <ul style="list-style-type: none"> a) performs the assigned tasks, at the qualitative level and the deadlines established by the hierarchical superiors, using the working time in an efficient manner; b) shows interest in improving his/her professional training level; c) respects the work schedule rigorously. <p>Specific attributions and activities:</p> <ul style="list-style-type: none"> a) models situations, contexts, scenarios specific to the security field and Intelligence activity, in accordance with the received specifications and with his/her area of professional competence; b) identifies research and development themes and topics in the field of modelling and simulation, with relevance for the national security domain; c) recommends simulation models and directions for issues specific to the area of intersection of his/her own scientific concerns and the field of security and Intelligence studies; d) develops scientific papers within research projects with internal or external financing, assumed by the Centre; e) writes and publish articles in relevant journals with recognized prestige, included in internationally scientific databases; f) identifies financing sources for research and development activities in the field of modelling and simulation, available at national and international level, and initiates projects to access these funds; g) promotes the research results within the national security system, especially in those fields where the Romanian Intelligence Service is declared national authority or holds a consistent expertise; h) supports the teaching activity through the use of modelling and simulation instruments within MVNIA's courses or ad-hoc training sessions; i) disseminates the research results in national and international scientific events, conferences and workshops and participates in the organization of similar events within the Centre; j) provides specialized training and assistance for collaborators, or whenever the situation requires it; k) shows permanent interest in raising his/her level of professional training by attending for of

	postgraduate, doctoral or postdoctoral education.
Minimum salary	7747 RON
Exam calendar	
Announcement publication date in Official Monitor	06.05.2021
Registration period	Start 24.05.2021 End 23.06.2021
Date of the lecture	12.07.2021
Time of the lecture	09 ⁰⁰ -15 ⁰⁰
Place of the lecture	Academia Națională de Informații „Mihai Viteazul”
Examination period	Start 12.07.2021 End 12.07.2021
Results communication period	Start 13.07.2021 End 13.07.2021
Results appeal period	Appeal Start 13.07.2021 End 15.07.2021 Solution Start 19.07.2021 End 19.07.2021
Topics of the job application contest	<p>The practical exam for filling the vacant position of Second Degree Scientific Researcher includes;</p> <ul style="list-style-type: none"> - Assessment of the contest registration file; - Assessment of the fulfillment of the conditions provided by the law; - Assessment according to the criteria and standards established by an order of the relevant minister (Annex 1). For the assessment, the candidate: <ul style="list-style-type: none"> - Will give an interview during which he/she will present his/her professional career, areas of expertise and main scientific achievements in the field; - Will give, in front of the contest commission, a scientific lecture related to its area of specialization and limited to one of the following topics: <ol style="list-style-type: none"> 1. Theoretical-experimental methods and instruments for modelling and simulation, applicable in the field of security studies and Intelligence. 2. Modelling through alternative scenarios in security studies and Intelligence. 3. Using modelling and simulation in security and Intelligence studies - advantages and disadvantages. 4. Modelling and simulation of the decisional processes in Intelligence. 5. Modelling and simulation applied in Intelligence analysis. 6. Trans-disciplinary approaches in the modelling and simulation of security and Intelligence issues. <p>BIBLIOGRAPHY:</p> <ul style="list-style-type: none"> ❖ Gilbert, N. and Troitzsch K.G., <i>Simulation for the Social Scientist</i>, 2nd Ed. Open Uni. Press (2005) ❖ Gilbert, N. 2007. <i>Agent-Based Models, Quantitative Applications in the Social Sciences</i>, volume 153. Thousand Oaks, CA: Sage Publications. ❖ Epstein J.M. and Axtell R., <i>Growing Artificial Societies. Social science from the bottom up</i>, MIT Press (1996) ❖ Axelrod, R. 1997. <i>Advancing the art of simulation in the social sciences</i>, in Conte, R., Hegselmann, R. and Terna, P., eds., <i>Simulating social phenomena</i>, Berlin: Springer-Verlag: 21-40. ❖ Axelrod, R. 1997. <i>The complexity of cooperation: Agent-based models of competition and collaboration</i>. Princeton, NJ: Princeton University Press. ❖ Casti, J. 1997. <i>Would-be worlds: how simulation is changing the world of science</i>, New York: Wiley. ❖ Griffin, A. F. and C. Stanish. 2007. <i>An Agent-Based Model of Prehistoric Settlement Patterns and Political Consolidation in the Lake Titicaca Basin of Peru and Bolivia, Structure and Dynamics: eJournal of Anthropological and Related Sciences</i>, 2(2) available online at http://repositories.cdlib.org/imbs/socdyn/sdeas/vol2/iss2/art2. ❖ Guyot, P., and Honiden, S. 2006. <i>Agent-Based Participatory Simulations: Merging Multi-Agent Systems and Role-Playing Games. Journal of Artificial Societies and Social Simulation</i> 9(4). ❖ Law, A. M. 2007. <i>Simulation Modelling and Analysis</i>, 4th edition. New York: McGraw-Hill.

	<ul style="list-style-type: none"> ❖ Phan, D., and Amblard, F., eds. 2007. <i>Agent-Based Modelling and Simulation in the Social and Human Sciences</i>. Oxford, UK: The Bardwell Press. ❖ <i>Methodological Investigations in Agent-Based Modelling, With Applications for the Social Sciences</i>, Eric Silverman, Chapter 5 <i>Modelling for the Social Sciences</i>, Eric Silverman and John Bryden 10.1007/978-3-319-72408-9_5.pdf (springer.com) ❖ Franck, R. (2002), <i>The explanatory power of models: bridging the gap between empirical and theoretical research in the social sciences</i>. Methodos Series, Vol. 1. Norwell, MA: Kluwer Academic Publishers. Google Scholar ❖ Sayer, R.A. (1992) <i>Method in social science: a realist approach</i>. London: Routledge. Google Scholar ❖ Young, M.J. (2003), <i>Human performance model validation: one size does not fit all</i>. http://www.scs.org/scsarchive/getDoc.cfm?id=2367 (13 August 2004). ❖ <i>Methodology of Causal Modelling</i>. (2009) In: <i>Causality and Causal Modelling in the Social Sciences</i>. Methodos Series, vol 5. Springer, Dordrecht. https://doi.org/10.1007/978-1-4020-8817-9_3 ❖ <i>The SAGE Handbook of Quantitative Methodology for the Social Sciences</i>, Edited by: <u>David Kaplan</u>, 2004, DOI: https://dx.doi.org/10.4135/9781412986311 ❖ <i>A framework for software modelling in social science research</i>, by Piper J. Jackson B.Sc., Simon Fraser University, 2005 B.A. (Hons.), McGill University, 1996, ResearchGate ❖ P. Pirolli, S. Card, <i>Information Foraging</i>, American Psychological Association, 1999 http://citeseerx.ist.psu.edu/mwg-internal/de5fs23hu73ds/progress?id=zldb2CES4uRrrkWerJi2u3F7oCbAT_jAabnS8Ea_o4Wc.&dl ❖ <i>WEF Global Competitiveness Report</i> https://www.weforum.org/reports/the-global-competitiveness-report-2016-2017-1 ❖ <i>Game of Life</i> http://web.stanford.edu/~cdebs/GameOfLife/ ❖ <i>Modelul segregării T. Schelling</i> https://www.youtube.com/watch?v=dF13Ciw12bo ❖ A. Mani, I. Rahwan, A. Pentland, <i>Inducing Peer Pressure to Promote Cooperation</i> http://www.nature.com/articles/srep01735 ❖ Y.A. De Montjoye, A. Pentland et. al, <i>The Strength of the Strongest Ties in Collaborative Problem Solving</i>, https://www.nature.com/articles/srep05277 ❖ <i>Tragedy of the Commons</i> https://www.youtube.com/watch?v=CxC161GvMPc ❖ D. Kahneman, T. Blaser et al, <i>Noise: how to overcome the high, hidden cost of inconsistent decision making</i>, HBR https://hbr.org/2016/10/noise ❖ M.G. Hâncean, <i>Rețelele sociale - teorie, metodologie și aplicații</i>, ed. Polirom ❖ D. Kahneman, <i>A perspective on Judgement and Choice – mapping bounded rationality</i>, Princeton University, 2003 (vezi și Herbert Simon – bounded rationality thesis) ❖ C.A. Chung, <i>Simulation Modeling Handbook: a practical approach</i>, CRC Press, 2004 ❖ A. Maria, <i>Introduction to modeling and simulation</i>, în S. Andradottir, K.J. Healy et. al, <i>Proceedings of the 1997 Winter Simulation Conference</i> ❖ J. Sokolowski, C. Banks, <i>Handbook of real-world applications in modeling and simulation</i>, John Wiley & Sons, 2012 ❖ <i>NATO Modeling and Simulation Orientation Course</i>, ADL, Centrul Marshall, PfP Consortium ❖ R.P. Clark, <i>Intelligence analysis: a target-centric approach</i>, 2004 ❖ C. Zamfir, <i>Incertitudinea – o perspectivă psiho-sociologică</i>, ed. Economică, București, 2007 ❖ D. Bernoulli, <i>Exposition of new theory on the measurement of risk</i>, <i>Econometrica</i>, vol. 22, nr. 1, 1954 ❖ Legea 51 din 1991 (r. 2014) privind securitatea națională ❖ Legea 14 din 1992 privind organizarea și funcționarea Serviciului Român de Informații ❖ Legea 535 din 2004 privind prevenirea și combaterea terorismului ❖ Legea 182 din 2002 privind protecția informațiilor clasificate
Exam procedure	Assessment of the contest registration file, assessment of the fulfillment of the conditions provided by the law and assessment according to the criteria and standards established by an order of the relevant minister (<i>Annex 1 to the Methodology for occupying vacant teaching and research positions in "Mihai Viteazul" National Intelligence Academy</i>)
List of documents	The full list of documents, which the candidates must include in the contest file, is the following: a) Application form for the contest (Annex 9); b) A verification form attesting the compliance with the Academy's standards for participating in

	<p>the contest (Annexes 1, 2, 3, 4);</p> <p>c) A statement of responsibility, written by hand by the candidate, which states that the information included in the context file refers to his/her personal activities and accomplishments, otherwise the candidate will bear the consequences of false statements, in accordance with the legislation in force (in original) (<i>Annex 12</i>);</p> <p>d) A proposal for an academic career development of the candidate, from the point of view of research activities (the proposal is elaborated by the candidate, has a maximum of 10 pages and is one of the main yardsticks for the candidates);</p> <p>e) A list of published papers¹ (signed by the candidate), in printed and digital format, accompanied by one copy of at least 5 representative papers, structured in relation to the preliminary requirements and the evaluation criteria, which is, from case to case, in order: doctoral thesis; published books; articles/studies published in specialized recognized journals of international circulation or specialized national journals recognized by CNSIS; studies published in volumes of international scientific conferences, with national or international recognition (with ISSN or ISBN, invention license or other titles of intellectual property, grant/contract-based R&D and innovation projects, other papers or publications);</p> <p>f) To support the score in the verification form attesting the compliance with the standards, copies of the cover of the publication/book/paper/CD will be presented, copies that must clearly display the ISBN or ISSN, from case to case, as well as copy of the contents of the book/publication that must highlight the article/chapter;</p> <p>g) Curriculum vitae (signed by the candidate), in printed and digital format;</p> <p>h) certificate of labor seniority statement, granted by the institution where the candidate is currently employed (<i>Annex 13 - model</i>), which must highlight the professional trajectory - professional positions and assimilated time span of the candidate in higher education/research/other activities, as well as other document/documents that proves, if necessary, the high education or research activities carried out by the candidate in Romania or abroad (in original; international certificate must be translated and authorize);</p> <p>i) Legalized copies of: the PhD title of the candidate or a certified copy of the PhD diploma and, if the original PhD diploma is not recognized in Romania, the certificate of recognition or equivalence; diploma/diplomas of university studies, certificate/s of recognition or equivalence (if necessary) and the transcript or equivalent; high school diploma or equivalent; birth certificate; marriage certificate (if applicable); work contract or a copy extracted from the General Register of Employees, in order to prove the labor seniority;</p> <p>j) An affidavit indicating the incompatibility situations, defined by the legal regulations in force, in which the candidate might enter provided he/she passes the contest, or the lack of thereof (<i>Annex 11</i>);</p> <p>k) For the vacancies of first and second degree scientific researcher, at least three names and contact details of experts not belonging to the "Mihai Viteazul" National Intelligence Academy, working in the same field as the one in question, who have accepted to write recommendation letters of the applicant's professional qualities, as well as the recommendation letters wrote by them;</p> <p>l) Other documents required by the legislation or regulation in force.</p> <p>The application file will be submitted to "Mihai Viteazul" National Intelligence Academy in Bucharest, Șos. Odăi, no. 20, sector 1, Monday to Friday, in the time interval 8 a.m - 2 p.m. The candidates will submit a plastic folder with rail, filled according to the model: On the first page of the file will be written (in accordance with the model): "Mihai Viteazul" National Intelligence Academy, Bucharest, National Center for Modelling and Simulation in Intelligence (NCMSI) Associate Second Degree Scientific Researcher, Position 133 Application file: Candidate....(Surname and name – scientific title, if applicable)</p>
Address for the job applications	"Mihai Viteazul" National Intelligence Academy, Bucharest, Șos. Odăi, no. 20, sector 1
Committee	<p>Chair: Professor Ioan DEAC "Mihai Viteazul" National Intelligence Academy</p> <p>Members: Professor. Irena CHIRU, "Mihai Viteazul" National Intelligence Academy Professor. Alina BĂRGĂOANU, National School of Political and Administrative Studies, First Degree Scientific Researcher Lucian NASTASĂ KOVÁCS, Babeș-Bolyai University of Cluj-Napoca Professor Radu CARP, University of Bucharest</p> <p>Alternate member: Associate Professor Cristian NIȚĂ, "Mihai Viteazul" National Intelligence Academy</p>
Appeal committee	<p>Chair: Associate Professor Răzvan GRIGORAȘ, "Mihai Viteazul" National Intelligence Academy</p> <p>Members: Associate Professor Iulian FOTA, "Mihai Viteazul" National Intelligence Academy Associate Professor Cristian POPA, "Mihai Viteazul" National Intelligence Academy</p> <p>Alternate member: Associate Professor Florian COLDEA, "Mihai Viteazul" National Intelligence Academy</p>

¹ In order for the contest committee to verify the veracity of the data submitted by the candidates, each work will indicate the electronic address that confirms its ISI/BDI indexation and the ISI/BDI citations, respectively.