REVIEW

by Professor Nikolay Mihailov Yanev, Dr.Sc.,
Institute of Mathematics and Informatics, BAS, PN 4.5. Mathematics,
about competition for the academic position of professor, PM 4.5. Mathematics,
announced in DV no. 35 of 18.04.2023 for the needs of the Department of
"Informatics" at the New Bulgarian University,
with candidates
associate professor Dr. Danail Stefanov Brezov, UACVG (University of Architecture,
Civil Engineering and Geodesy)
and
associate professor Dr. Dimitar Vladislavov Atanasov, NBU (New Bulgarian University)

General requirements and documentation

The competition refers to the academic position of "professor" in professional direction 4.5. Mathematics, announced in DV no. 35 of 18.04.2023 for the needs of the Department of "Informatics" at the New Bulgarian University. The jury was appointed by order of the Rector of the NBU 3-К-222Д-16-201/25.05.2023.

Candidates for the competition are: Associate Professor Dr. Danail Stefanov Brezov from the University of Architecture, Civil Engineering and Geodesy, and Associate Professor Dr. Dimitar Vladislavov Atanasov from the New Bulgarian University.

The submitted documents for participation in the competition were examined by the members of the jury, who decided that they meet the main requirements of the laws and the candidates should be allowed to participate in the competition.

The documents of the two candidates for the evaluation of the competition are presented on the website (i.e. they were submitted only electronically). Here are some of the more essential ones: curriculum vitae, diplomas, list of publications and copies of them, reference of contributions and citations, reference of fulfillment of minimum national requirements, etc., which gives me reason to accept them for consideration and ascertain that all the formal requirements of the procedure have been met.

In the future, the review will follow the "Sample for the structure of a review/opinion on a competition for filling the academic positions of associate professor and professor at NBU" provided to me.

In accordance with these rules, each of the candidates will be presented separately, starting in alphabetical order of surnames.

1. Associate Professor Dr. Dimitar Vladislavov Atanasov, New Bulgarian University.

Here are some more important details from a candidate's CV. Dimitar V. Atanasov was born on February 8, 1975 in Karnobat. Graduated in 1989-1993 SMG "P. Hilendarski", majoring in physics. In 1993-1998 he was a student at the Faculty of Mathematics and Informatics of Sofia University "St. Kliment Ohridski" and received a master's degree in "Theory of Probability and Mathematical Statistics". In 2006-2007, he was on a free doctoral course at the FMI of the SU. Attached is a diploma dated 26.03.2008 of the Higher Attestation Commission at the Ministry of Education of the Republic of Belarus for the awarded educational and scientific degree "Doctor" according to the HC 01.01.10. TV and MC on "Robust Scaling and Point Scoring Methods". In 1999 - 2008 he was senior assistant at FMI-SU. Since 2008 he has been at the NBU, and in 2008 - 2010 he was senior assistant at the "Evaluation Center", in 2008 - 2013 he was head assistant professor in the Department of

Informatics, where he has been an associate professor since 2013. Since 2019, he is also the head of the Department of Informatics.

As professional experience in the field of informatics (programmer) are also noted: 1998-1999 - Comet Electronics AD, 2000 - Interprogramma EOOD, 2000-2012 - Datamax AD.

The following technical skills are specified:

1) Linux, MAC OS, Matlab, Perl, R, C;

2) Developed software:

- Two-phase linear regression model. MATLAB Central File Exchange.
- Compares probabilities of two binomial samples. MATLAB Central File Exchange.
- Hash table declaration. MATLAB Central File Exchange.
- Matlab-bp-engine GitHub.
- Matlab-Delta-Scoring. GitHub.
- Representative Sample. MATLAB Central File Exchange.
- R-package DScoring. GitHub.

Participation in two professional-scientific organizations and in the organization of three scientific conferences was noted. A specialization at the Max Plank Institute for Demographic Research, Rostock, Germany, as a visiting researcher is indicated.

I. Assessment of compliance with the minimum national requirements and the requirements of the New Bulgarian University

The presented assessment exceeds the minimum national requirements and the requirements of the New Bulgarian University.

Thus, in Group B (120 items), 2 publications are presented in Educ. & Phychol. Measurement, Q2-AM, 2020 (IF-1.911) and 2022 (IF-3.088) respectively. The remaining 8 articles are presented in Group D (267 items). Note that all articles were published in the period 2020-2023. Note that all presented works were published in the period (2020-2023), i.e. after the year of habilitation for associate professor 2013.

77 citations are presented in Group D (616 items). In Group E (270 items), 17 national projects and 5 international ones are given. In Group G (85 items) §26 makes an impression. Applied research results, where 6 packages of programs prepared by the candidate are indicated. In Group 3 (100 items) the author's materials for 6 courses of lectures, the guidance of 5 graduate students and the guidance of one doctoral student are of interest. In section I (110 items), participation in program, faculty and academic councils, as well as department management, is indicated.

II. Research (creative) activity and results

The general list of publications is presented on the NBU website
https://computerscience.nbu.bg/bg/teachers/doc-d-r-dimityr-atanasov-5875
and contains a total of 56 works published in the period 1999 - 2020. Note that 10 articles for the period 2020-2023 are submitted for participation in the competition.

1. *Evaluation of the monographic work, creative performances or other publications corresponding in volume and completeness to a monographic work, including an evaluation of the scientific and scientific-applied contributions of the author.*

Publications [1] and [2], as noted above, are presented as corresponding to a monographic work. They are printed in Educ. & Phychol. Measurement, respectively in 2020 and 2021, Q2-AM, IF-1.911 and IF-3.088. These studies are concerned with issues of test scoring and individual achievement. Maximization of marginal likelihood functions and D-Scoring are used. Simulation studies were also conducted.

2. *Evaluation of the contributions in the other attached publications (creative performances) made after the appointment of the academic position "docent".*

In the list of publications submitted for the competition, 10 articles are given for the period (2020–2022). Obviously, these works could not have been included in the procedure for

associate professor, which ended in 2013. The scientific interests of these publications of associate professor Dr. Dimitar Atanasov are represented in the following four groups:

a) Psychometric methods for assessing individual abilities and knowledge.

b) Statistical estimation methods for branching stochastic processes.

c) Statistical methods in applied research.

d) Development of software packages.

Besides the articles [1] and [2], in the scientific direction a) there are also the works [4], [9] and [10]. They examine various applications of the D-Scoring approach, combining theoretical research with simulations and specialized software development.

Publications [3], [5], [7] and [8] are in the scientific direction b), where stochastic models of COVID-19 based on branching processes and statistical estimation of the main parameters are considered. Two of these papers were published in BAS Reports (Q4, IF-0.325), one in J. Appl.Statistics (Q3, IF-1.416) and one in Stochastics and Quality Control.

Article [6] refers to direction c) and d). It applies factor analysis and other statistical methods for adaptation of psychometric scales of emotions. Many of the mentioned projects can also be referred to direction d).

The author reference (6 pages) correctly and in detail presents the main scientific contributions, as well as the developed software and participation in projects.

3. Citation *from other authors.*

11 articles are presented, which have a total of 77 citations from other authors.

4. *Evaluation of the results of participation in research and creative projects and application of the obtained results in practice.*

D. Atanasov has presented a very serious participation in 17 national and 5 international projects. The national projects are distributed as follows: 2 are on the line of DFNI and are related to fundamental research in the field of branching stochastic processes; 4 – through UNICEF; 3 are in the NBU; 8 are related to various programs of the Ministry of Education and Science.

The international projects were implemented in Saudi Arabia and are presented as follows:

1) National Center for Assessment in Higher Education, Riyadh, Kingdom of Saudi Arabia. TEQNCA – a program for equating test results. 2014.

2) National Center for Assessment in Higher Education, Riyadh, Kingdom of Saudi Arabia. A System of Automated Test Scoring and Equating at the NCA: Algorithmic Procedures. 2015.

3) National Center for Assessment in Higher Education, Riyadh, Kingdom of Saudi Arabia. SATSE@NCA - System for Automated Test Scoring and Equating. 2015.

4) National Center for Assessment in Higher Education, Riyadh, Kingdom of Saudi Arabia. Development of statistical algorithms to implement the latent D-Scoring method. 2020.

5) The Education and Training Evaluation Commission. Riyadh. Kingdom of Saudi Arabia. Developing web based application for D-Scoring method. Implementing LSDM methodology for D-Scoring. 2023.

The following two software packages have been prepared for evaluation in test tasks:

Matlab package for D-Scoring

https://github.com/amitko/matlab-deltascoring.git

R package for D-Scoring

https://github.com/amitko/DScoring.git

The following package has been implemented for the simulation and statistical evaluation of branching stochastic processes:

Matlab package for simulation and estimation of branching stochastic

Processes: https://github.com/amitko/matlab-bp-engine

In connection with the five CA projects presented above, the following software products have been prepared:

DELTA. Test evaluation software. NCA. Riyadh, Kingdom of Saudi Arabia.
SATA. Test assembly software. NCA. Riyadh, Kingdom of Saudi Arabia.
TEQNCA. Test equating software. NCA. Riyadh, Kingdom of Saudi Arabia.

III. Learning and teaching activity

1. *Auditory and non-auditory employment, work in the electronic training module "MOODLE - NBU", provision of student practices and internships, work with students and doctoral students.*
    The main teaching activity of D. Atanasov is also presented on the NBU website:
https://computerscience.nbu.bg/bg/teachers/doc-d-r-dimityr-atanasov-5875

1• (2009,2010) STAM103 "Empirical data analysis" for the Master's program "Applied Statistics" of NBU.

2• (2009,2010) STAM105 "Statistical Programming" for the master's program "Applied Statistics" of the NBU.

3• (2010, 2011) PSYB304 "Statistical data analysis" for the bachelor's program "Psychology" of the NBU

4• (2010,2011) PSYB519 "Statistical analysis of data (SPSS, Statistica)" for the bachelor's program "Psychology" of the NBU

5• (2010 - 2015) NETB273 "Exercises on Probability Theory and Statistics" for the bachelor's program "Network Technologies (in English)" of NBU

6• (2010 - 2017) NETB303 "Applied Statistics" for the bachelor's program "Network Technologies (in English)" of NBU

7• (2010 - 2015) NETB237 "Exercises on Applied Statistics" for the bachelor program "Network Technologies (in English)" of NBU

8• (2010 - 2017) CSCB511 (CSCB631) "Probability and Statistics - Computational and Applied Aspects" for the bachelor's program "Informatics" of the NBU

9• (2012) CSCB016 "Object-oriented programming" for the bachelor's program "Informatics" of the NBU

10• (2014- 2019) CITB502 "Game Theory". Original teaching materials have been developed.

11• (2015) NETB353 "Programming for iOS" for the bachelor's program "Network Technologies (in English)" of NBU

12• (2019-2021) TCMB032 "Solving linear and optimization problems with a smartphone and tablet" to the "Telecommunications" program

13• (2010 - until now) NETB253 "Probability Theory and Statistics" for the bachelor's program "Network Technologies (in English)" of NBU

14• (2015 - until now) CSCB705 "Classification and pattern recognition". Original teaching materials have been developed.

15• (2015 - until now) CITB605 "Data warehouse". Original teaching materials have been developed.

16• (2016 - until now) GENB002B "Statistics". Original teaching materials have been developed.

17• (2020 - until now) GENB002A "Statistics" for the Psychology program at NBU. Original teaching materials have been developed.

18• (2020 - present) PSYE107 Statistics in Behavioral Research - Part I for the Psychology program (in English). Original teaching materials have been developed.

19• (2020 - until now) DSCM030 Data Theory for the master's program "Knowledge Mining and Big Data Technologies". Original teaching materials have been developed.

20• (2021 - present) CSCB315 Analytic Geometry. Original teaching materials have been developed.

   Out of the 20 lecture courses presented, 6 are in English and the remaining 14 are in Bulgarian. Author materials have been prepared for 6 courses of lectures, which are available on the Internet.

D. Atanasov was the scientific supervisor of 4 excellently defended graduates at NBU, and is currently the scientific supervisor of one PhD student.

In addition, until 2008, D. Atanasov led exercises and gave lectures on TV and MS at the FMI of SU and TU-Sofia.

2. *Work with Erasmus students*: No data.
3. *Student Survey Ratings*: No data.

IV. Administrative and public activity

1. Participation in collective management bodies of the NBU.

Since 2020, D. Atanasov is the head of the "Informatics" department.

He is also a member of:

The Program Board of the "Informatics" Department;

The Faculty Council of the Master's Faculty;

Commission for evaluation of full-time teachers at the Bachelor's Faculty;

The Academic Council of the NBU;

2. Public activity.

D. Atanasov is a member of:

- The Bulgarian Statistical Society;
- Bulgarian Society for Research and Evaluation in Education;
- The editorial board of the journal "Mathematics and Informatics";
- The organizing committee of the conferences:

'Computer Science and Education in Computer Science (in the period 2019-2023;

'International Summer Conference on Probability and Statistics (in the period 2008-2014).

Participation in a public debate on the topics related to the modeling and forecasting of the COVID-19 pandemic.

Participation in initiatives of the Ministry of Education and Culture on the topics of the quality of external evaluation in secondary education and the added value of schools.

Participation in UNICEF initiatives to research processes in preschool education and early childhood development.

3. Attracting students to the program.

D. Atanasov is the scientific supervisor of PhD student Georgi Kostadinov at the doctoral program "Informatics" on the topic "Annotation of video content using neural networks".

V. Personal impressions of the candidate:

I have good impressions from the reports given by D. Atanasov before the National Seminar on Stochastics, as well as from international and our conferences.

VI. Opinions, recommendations and notes on the activity and achievements of the candidate

VII. A conclusion with a clearly formulated positive or negative assessment of the candidate's academic activity and a proposal for his admission or non-admission to selection by the Academic Council.

As it was indicated in the analysis above, Associate Professor Dr. Dimitar Vladislavov Atanasov exceeds minimum national requirements and also those of the NBU. He has presented good results in the fields of stochastics, modeling and informatics, having publications in high-impact journals, participating in many national and international projects, and developing serious software packages. D. Atanasov's educational and teaching activity is at a very serious level and without a doubt satisfies the requirements for a professor. He is also supervisor of graduate students and one Ph.D. In addition, D. Atanasov has a very serious administrative and public activity in the NBU. All this gives me reason to clearly formulate my positive assessment of the candidate and a proposal for his admission to the Academic Council.

2. Associate Professor Dr. Danail Stefanov Brezov, University of Architecture, Civil Engineering and Geodesy.

The applicant's curriculum vitae are prepared in accordance with the requirements of the European model. Here is a brief summary of the following more important data.

Danail S. Brezov was born on 28.03.1981 in Stara Zagora, where he graduated from a specialized high school with English and French. In 2000-2004, he was a student in a bachelor's program at the Faculty of Physics of Sofia University "St. Kliment Ohridski". Unfortunately, the relevant diploma is not attached to the documentation. He has a diploma for a master's program in mathematics and mathematical physics in 2005 - 2007 at the Faculty of Mathematics and Informatics of SU. Attached is a diploma dated 27.02.2015 for the awarded educational and scientific degree "Doctor" at the Institute of Mechanics, BAS, where a dissertation on the topic "Vector parametrizations and factorizations in Euclidean and hyperbolic models in mechanics" was defended.

Since 2007, he has been working at the University of Architecture, Civil Engineering and Geodesy: assistant 2007-2009, senior assistant 2009-2011, assistant professor 2011-2019, and in 2019 he was awarded the title "Docent". Also noted as professional experience: 2006 – physicist, Institute of Biophysics, BAS; 2010 - 2012 - assistant professor, European Polytechnic University, Pernik; 2017 – Mathematics teacher, British School of Sofia.

The following technical skills are specified:
1) LaTeX, Python, Maple, Matlab;
2) Experience in the practical side of modeling and algorithms for solving some engineering tasks (Fplus, GeoPlus).

A detailed list of participation in 16 international conferences is given. Four international exchange specializations are listed.

I. Assessment of compliance with the minimum national requirements and the requirements of the New Bulgarian University

The "Criteria Fulfillment Reference" presented by D. Brezov contains 10 pages, given as three sections: "for doctor", "for associate professor" and "for professor".

In the section "for professor" in Group B.4-Habilitation work-scientific publications, 7 articles are given, 6 of which were published in the period (2014-2018), i.e. before 2019 - the year of habilitation for an associate professor, and one of the articles is in 2019. Moreover, all these articles are not included in the list of publications submitted for participation in the competition. Otherwise, the sum of the points in this group is 276. In Group D.7, 11 articles are presented, 6 of which were published in the period (2014-2018), and 5 articles - in (2020-2023), which are actually included in the list of publications for participation in the contest. In D.8, two chapters in collective monographs are presented, one was published in 2017, and the other in 2023. The sum of the points in this group is 441. In Group D, the citations of 12 articles with a total sum of 216 points are given. Group E includes 7 projects, one participation as a scientific consultant of a PhD student and 3 university textbooks, total 220 points.

It can be seen that the points of the report presented in this way significantly exceed the minimum requirements, but the fact that Group B.4 does not include any of the publications submitted in the competition, and on the contrary, this group should contain only publications participating in the competition, is puzzling. Regardless, it could be seen that the entries for the competition would be sufficient to meet the minimum requirements.

II. Research (creative) activity and results

The scientific interests of associate professor Dr. Danail Brezov are represented in the following two groups:

A) Geometric algebras, hypercomplex numbers, differential geometry and symmetry groups in mathematical physics.

B) Applied and Computational Mathematics; statistical methods and Monte Carlo algorithms in data analysis and simulations.

The total list of publications contains 35 articles, two preprints and three textbooks. The textbooks are published by the UASEG, and two of them are in English - LA and AG; Applied mathematics, and the third - Mathematical analysis (second part) is in Bulgarian.

1. Evaluation of the monographic work, creative performances or other publications corresponding in volume and completeness to a monographic work, including an evaluation of the scientific and scientific-applied contributions of the author.

As already noted, in the submitted "Reference on fulfillment of the criteria" of D. Brezov, as publications equivalent to a habilitation thesis, articles that do not appear in the competition list are indicated. Moreover, none of the publications that meet this requirement are listed in the author reference provided.

2. Evaluation of the contributions in the other attached publications (creative performances) made after the appointment of the academic position "docent".

For participation in the competition, D. Brezov submitted a list of 12 works. The publications [1-8] are in the period (2020–2023) and are apparently after the habilitation for associate professor which took place in 2019. Of the remaining 4 articles, one is in 2019, two are in 2018, and one is in 2014 d. This last one is under number [12] and is even found in the reference for minimum scientific requirements presented by the candidate in his competition for associate professor. So according to the requirements only the first 9 articles will be evaluated.

Of these publications, 6 are independent and 3 are with other authors. Work [1] is actually Chapter 23 in a collective monograph. It is more of an overview related to movement groups, it is presented on 19 pages and is based on 5 publications, of which three are joint. Paper [2] deals with questions concerning the SO (3) rotation group. It is presented as a preprint (under revision) in Math. Methods Appl. Sci. (IF-2,9). An article [7] was also published in the same journal, where hyper-complex algebras in C^3 generated by iterated vector products are investigated.

Publications [3, 4, 6] have an applied nature. In [3], regression analysis is applied to machine learning models related to traffic and pollution. This work is published in the journal Applied Sciences (of MDPI), Q2, IF-2,7. In [4], the air quality is studied with regression models, and the publication is in Environmental Research, IF-8,3. In [6], an applied squadron orientation problem related to three-dimensional rotations is studied. The work is published in Abv. Appl. Clifford Algebras, Q2, IF-1.185.

The articles [5, 8, 9] were also printed in the same journal. In [5] previous studies of the author are revised and supplemented by offering a general algebraic treatment of the Coriolis effect related to the Special Theory of Relativity and Electrodynamics. In article [8] powers and roots of complex 2x2, 3x3 and 4x4 matrices are investigated. In [9], the projective properties of the so-called low-dimensional spin groups starting from SO (3). The results obtained in all three papers are not presented as theorems or other statements.

The author reference (3 pages) correctly and in detail presents the main scientific contributions of the articles, and also the book of Mathematical Analysis (Part Two).

3. Citation from other authors.

12 articles are presented, which have a total of 48 citations from other authors.

4. Evaluation of the results of participation in research and creative projects and application of the obtained results in practice.

D. Brezov has presented participation in the following five projects:

1. "Effectiveness of the tools for strategic spatial planning at the local level: an evaluation system", Contract BN 182/2016, National Technical Research Center at the Ukrainian Academy of Sciences, headed by Assoc. Dr. Arch. Elena Dimitrova

2. "Influence of intermodal transport hubs on the formation and functioning of the urban public space", led by Assoc. Dr. Arch. Elena Dimitrova, Ph.D. urb. Vasil Madzhirski.

3. "Methodological guidelines and technical specification for the Green / Ecological / Atlas of Sofia", Contract of the National Center for the Development of Sofia with the Foundation "Association for the Development of Sofia", 04/2017, with the head of Eng. Dr. Nikolay Naydenov

4. "Phase study of traffic and pollution in Sofia" - jointly with SU and association "For the Earth", 2019-2020.

5. SARS-Cov-2 risk calculator

https://www.bloombergtv.bg/a/9-bulgaria/48642-balgari-razrabotiha-covid-19-kalkulator-koytoizchislyava-riska-ot-zarazyavane

(with link to app)

The first three presented projects are related to the scientific and research activities of the UASEG. The fourth project (jointly with SU) is on an environmental theme, and the fifth one related to Covid.

III. Learning and teaching activity

1. *Auditory and non-auditory employment, work in the electronic training module "MOODLE - NBU", provision of student practices and internships, work with students and doctoral students*.

The following study materials are available on the UASG website

http://uacg.bg/?p=182&l=1&id=627&f=4

1. Introduction to Linear Algebra and Analytic Geometry (2017)

2. Applied Mathematics (2016)

3. Isomorphisms under some groups and Lie algebras in low dimensions - with applications of Maple (2006)

The following 8 lecture courses are presented, of which five are in English and three in Bulgarian:

1. Linear Algebra and Analytic Geometry (First Semester, UACEG)

2. Calculus II (Second Semester, UACEG)

3. Applied Mathematics (Third Semester, UACEG)

4. Mathematics (EPU)

5. Mathematical Modeling with Matlab (EPU)

6. Probabilities and statistics (specialty "Geodesy", UASG)

7. Mathematics (specialty CS, UASG)

8. Programming and Algorithms with Python (UASG)

Lectures and textbooks in English are intended for the study of foreign students.

2. *Work with Erasmus students*: No data.

3. *Student Survey Ratings*: No data.

IV. Administrative and public activity

1. *Participation in collective management bodies of the NBU*: No data.

2. *Public activity*.

Reviewer for Mathematical Reviews® (MathSciNet®) of AMS, ZbMATH, as well as for the journals: Journal of Geometry and Symmetry in Physics (JGSP) and Advances of Applied Clifford Algebras (AACA)

3. *Attracting students to the program*.

Active participation in the selection and preparation of students for the UASEG mathematics team, as well as in the organization of the national Olympiads in 2015 and 2017.

Participation as an organizer and lecturer in international summer schools and conferences.

V. Personal impressions of the candidate: I have none.

VI. Opinions, recommendations and notes on the activity and achievements of the candidate

VII. A conclusion *with a clearly formulated positive or negative assessment of the candidate's academic activity and a proposal for his admission or non-admission to selection by the Academic Council.*

Associate Professor Dr. Danail Stefanov Brezov has presented good scientific production in journals with an impact factor. The obtained results have both a theoretical contribution in some areas of mathematics and a contribution in actual applications. In addition, D. Brezov is also involved in a number of applied projects. D. Brezov's educational and teaching activity is at a serious level and without a doubt satisfies the requirements for a professor. He was a consultant to a PhD student. In addition, D. Brezov has a serious social activity. Regardless of the indicated gaps in the minimum national contributions reference and the author reference, I would like to formulate my positive assessment of the candidate and a proposal for his admission to election to the Academic Council.

General conclusion regarding the two applications

First of all, we must note that the competition was announced under PN 4.5. Mathematics without specifying an additional field, which makes comparing scientific output ineffective and practically impossible. So the Academic Council of NBU must assess what kind of specialist it needs. But since it is a question of a professor at the Department of Informatics, we must note that a large part of D. Atanasov's works have a more applied nature and are more related to informatics methods, while the majority of the presented works of D. Brezov have a more theoretical character. In addition, D. Atanasov has developed software packages and his participation in projects is much more widespread. Both candidates have a serious educational and teaching activity, but that of D. Atanasov is related to the NBU, where he has been an associate professor since 2013, and that of D. Brezov is related to the UASEG, where he has been an associate professor since 2019. D Atanasov has 4 protected diplomas at the NBU and is the supervisor of one doctoral student at the NBU. In addition, D. Atanasov has a very serious administrative and public activity in the NBU.

What has been presented so far allows us to conclude that D. Atanasov's research, teaching, administrative and applied activities are at a solid level and have been successfully integrated into the NBU system. All this gives me reason to recommend to the scientific jury that the candidacy of associate professor Dr. Dimitar V. Atanasov be proposed to the Academic Council of the NBU for the selection of a professor for the thus announced competition in PN 4.5. Mathematics for the needs of the Department of Informatics.

Date: 24.08.2023   Signature

                                    /Professor Nikolay M. Yanev, Dr.Sc./