

PERSONAL INFORMATION



Kostadin Kostadinov

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🌐 [State personal website\(s\) https://www.researchgate.net/profile/Kostadin_Kostadinov2](https://www.researchgate.net/profile/Kostadin_Kostadinov2)

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Sex male | Date of birth 27/11/1955 | Nationality Bulgarian

POSITION

Chairman of the Managing Board of GIS-TransferCenter – since 25th of May, 2021
KAM & Innovation&Technology Transfer senior expert – part time, since July 1st 2016
 GIS-TransferCenter Foundation, Acad. G. Bonchev St., Bl.4, Sofia, Bulgaria, www.gis-tc.org
 Evaluation, Management & Control of activities in the field of TT and innovations
 IMP³rove academy assessment of innovation management capabilities
 Business or sector Research, Technology transfer and innovation

Head of Technology Transfer Office, Institute of Information and Communication Technologies – **Bulgarian Academy of Sciences**
 Acad. G. Bonchev St., Block 25A, Sofia, Bulgarian, www.iict.bas.bg
 Carrying out scientific research in the field of mechanics, mechatronics and robotics
 Business or sector Research

WORK EXPERIENCE

June 6th 2017 – May 11th 2021

Advisor to the Minister of Education and Science for Science& Innovation since 06.6.2017
 Ministry of Education and Science, Bul. Dondukov, 2a, 1000 Sofia, Bulgaria www.mon.bg
 Policy and Strategic Planning of Research, Technology Transfer (TT) and Innovation
 Type of business or sector *Governmental*

From April 1st 2022
 April 1st 2016-31.12.2020

Professor of Robotics & Mechatronics, Institute of Mechanics-BAS
 Acad. G. Bonchev St., Block 4, Sofia, www.imbm.bas.bg
 Carrying out scientific research in the ICT field
 Business or sector Research

Nov. 12th 2014 –March 30th 2016

Deputy Minister, Ministry of Education and Science
 2a, “Dondukov” Boulevard., Sofia 1040, Bulgaria, www.mon.bg
 ▪ Responsible for Science, European Programs and Structural funds, Technology transfer and Innovation, Academy and partnership.
 Business or sector *Governmental*

May 20th 2011 –Nov. 11th 2014

Professor, Head of Dept. of Mechanics of Discrete systems at Institute of Mechanics–BAS
 Acad. G. Bonchev St., Block 4, Sofia, Bulgarian, www.imbm.bas.bg
 ▪ Organization & Management of research activities in the field of Mechatronics & Robotics
 Business or sector *Research*

Nov. 3rd 2008 – Feb. 11th 2013

Scientific Secretary for ICT division and Member of the **BAS Managing Board - part time**
 Bulgarian Academy of Sciences, 1, “15 Noemvri” St., Sofia 1040, Bulgaria, www.bas.bg
 ▪ Planning, Control and Management of activities in the ICT field, Engineering, Mathematical Sciences and Technology transfer and Innovation, Industry and Academy partnership.
 Business or sector *Governmental*

Feb. 1st 2010 – June 6th 2012

Vice-Rector of VUZF University for Research and Institutional Relations – part time
 VUZF University, 1, Gusla St., 1618 Sofia www.vuzf.bg
 ▪ Organization of Research activities and Institutional Relations .
 Business or sector *High Education*

Minister Councillor for Research and Science, Innovation and Technology, full time

- Aug. 17th 2009 – Jan. 4th 2010 Ministry of Education, Youth and Science, 2A, Dondukov Boul., 1000 Sofia, www.mon.bg

 - Policy and Strategy planning of Science, Research, Technology transfer & Innovation.

Business or sector Governmental

- July 1st 2008 – May 20th 2012 Associate Professor in Robotics and Automation in Mechatronic Systems Dept. full time
Institute of Mechanics – BAS, acad. G. Bonchev St., Block 4, Sofia 1113, Bulgaria, www.imbm.bas.bg

 - Research and Management of research activities in the field of Mechatronics and Robotics.

Business or sector Research

- May 15th 2001 - January 15th 2015 Chairman of the Managing Board – part time
GIS-TransferCenter Foundation, Acad. G. Bonchev St., Block 4, Sofia, Bulgarian, www.gis-tc.org

 - Planning, Management and Control of activities in the field of technology transfer and innovations

Business or sector Technology transfer and innovation

EDUCATION AND TRAINING

- February 25th –March 1st 2019 International Technology Academy
Kielce, Poland (Kielce Technology Park)
Validation of innovative R&D ideas and development of start-up (incl. spin-off and spin-out)

Replace with EQF (or other) level if relevant

- 13.02.2018-16.02.2018 Key qualification for Evaluation, Planning, Monitoring, Operation and Management of Research Infrastructures innovation
ZSI-Centre for Social Innovation – Danube Transnational Programme, Sofia
Research evaluation and management

- April 22nd 2013-April 26th 2013 Key qualification for innovation
Bulgarian Industry Association – Sofia, Bulgaria

 - Innovation thinking and keeping the innovation culture

- 04.12.2006-08.12.2006 Key qualification for Technology Transfer
Steinbeis Foundation – Stuttgart, Germany

 - Technology transfer – organization, management and networking

- 18.12.1988-18.04.1994 PhD in Applied Mechanics
Institute of Mechanics – Bulgarian Academy of Sciences – Sofia

 - PhD Thesis “Investigation and synthesis of electromechanical drives for positioning robots”

- 01.05.81-23.04.83 MSc in Robotics (Engineer)
Technical University – Sofia

 - Mechanical Systems in Robotics

- 15.09.76-18.04.81 MSc in Electrical Engineering (Engineer)
Technical University – Sofia

 - Electric Power Supply and industrial electrical equipment

PERSONAL SKILLS

Mother tongue(s)	Bulgarian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Replace with name of language certificate. Enter level if known.				
German	B2	B2	B1	B1	B1
	Replace with name of language certificate. Enter level if known.				
Russian	C2	C2	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Communication skills

 - Team spirit; good ability to adapt to multicultural environments, gained through my work experience in abroad; good communication skills gained through my experience as vice director responsible for

Organisational / managerial skills

work with industrial and other partners, university professor etc..

Leadership (former Deputy Minister of Education and Science, currently responsible for 10 people permanent staff and 40 project based experts in GIS-TransferCenter Foundation and 15 people (in the past for 144 people during 2 Mandates position of Vice-Director) in the Institute of Mechanics; Sense of organizations (experience in establishment of NGO and as military officer – 2 years); Good experience in project management through work upon 9 international and 15 national projects

- Chairman and Committee Member of National (12) and International (14) Conferences and Workshops.

Job-related skills

- Good command of electro systems; electro drive systems for manufacturing systems, and electromagnetic grippers, telemanipulation of micro robots, etc.

Computer skills

- Good command of Microsoft Office tools (Word, Excel, Power Point), Solid Dynamics, Marketing Manager, and graphic design applications

Other skills

Councillor of the Parliament Committee “Education and Science” – May 2016 – March 2017;
 National representative in European Institute of Innovation and Technology, July 2014 till 2020
 Member of H2020 Program Committee for SME and Access to Risk Finance, since July 2013
 National Contact Point for SME in the FP7 of EC December 2006 – December 2012,
 Expert in FP7 for evaluation of proposal (2012-2015)
 Member of the CEN/TC 389 "Innovation Management" – since 2010;
 Management of research (FP4, FP6 and FP7; CIP, Interreg IIIc, PHARE) and industrial projects;
 Member of commissions for accreditation the education of under and postgraduate students.
 Delivering lectures in Technical university of Sofia in two faculties – Machine building Faculty and English Language Faculty of Engineering;
 Visiting Researcher in University of Applied Sciences, Konstanz, Germany;
 Visiting researcher & professor in University Otto-von-Guiricke Magdeburg; Germany;
 Visiting professor in Technical University of Riga, filial Liepaja, Latvia;
 Visiting professor in University “Dunarea de Jos”, Galati; Romania;
 Supervisor of 7 PhD Students, 3 – promoted, 2 still in processing;
 Member of Expert Council of High-technology business incubator - Varna,
 Member of Evaluation Committee of National Innovation Fund since 2005;
 Short term consultant in the PHARE Project BG.0102.01 “Technology consultancy grant scheme for SME's” for Electro- and Machine Building Industries and TAIEX

Driving licence

- **B**

ADDITIONAL INFORMATION

- Publications
- Presentations
- Projects
- Conferences & Seminars
- Honours and awards

More than 100 publications, in which 20 patents, 4 books
 Presentations in whole Europe and in Asia (China, India, Malaysia)
 More than 30 projects in Copernicus, FP6, FP7, H2020, CIP, Interreg IIIc, PHARE, DAAD, DFG, etc.
 Participation in the Conferences and Seminars all over the world in Europe, Asia and Amerika.
 National award “Pythagoras” 2016 for exceptional achievements in Exploitation and commercialization of research results
 Award “Inventor of the year 2015”,
 Award of Bulgarian Union of Scientists – 2012
 National award “Pythagoras” 2010 for exceptional achievements in Engineering science

- NATO, DAAD and DFG awards for research projects (1999, 2001, 2003, 2004)

Memberships

- Member of the Association of Science and Technology Transfer Professionals (ASTP) Nr.123802
- Senior Member of IEEE, Robotics and Automation Society, since 1999

ANNEXES

- Annex #1 RECENT PUBLICATIONS ('11 - '22)
- Annex #2 *Papers for technology transfer and Innovation:*
- Annex #3 List of patents (last 10 years)
- Annex #4 Project portfolio (since 2005)

I. RECENT SCIENTIFIC PUBLICATIONS (2011 - 2022)

1. Nikolov Sv., Zhu Liu, F. Wang, Sh. Liu, K. **Kostadinov**, E. Koytchev, Y. Tian *Combined Analytical-FE Modeling of the Deformation Mechanisms and Forces in Soft PneuNets Bending Actuators*, 2022 *IEEE Int. Conf. on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO2022 (08.08-12.08.2022)*, under printing
2. Stavrov Vi., G. Stavreva, E. Tomerov, M. Villani, S. Kotsev, Z. Wang, K. **Kostadinov**, *Piezoresistive Cantilevers' Platform for Bio-Chemical Sensing*, 2021 *IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO 2021*, in printing
3. Ivanov O., K. Simeonov, P. Todorov, Zh. Stoyanov, D. Antonova, Zh. Song, K. **Kostadinov**, *Registration Approach of Viruses by Using the Electromagnetic Echo Effect*, 2021 *IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO 2021*, in printing
4. Ivanov, G.R., **Kostadinov**, K.G., Song, Z., [Formation of nanosized needle structures in ultra-thin organic film for biosensor application](#), 2019 *IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO 2019 - Proceedings 8947377*, pp. 350-353.
5. V. Sainov, A. Baldzhiev, S. Sainov and K. **Kostadinov**, "CARS detection with diode lasers in digital holographic microscopy," 2017 *IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO)*, Shanghai, 2017, pp. 19-25., DOI: 10.1109/3M-NANO.2017.8286271, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8286271&isnumber=8286251>
6. I. Kostadinov, Fr. Suriano, Hr. Iliev, D. Draganov, I. Buchvarov, D. Bortoli, Vi. Kotev, K. **Kostadinov**, G. Giovanell, "A smart LIDAR based on compact Nd:YAG laser for atmospheric fine particulate matter," 2017 *IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO)*, Shanghai, 2017, pp. 1-5. DOI: 10.1109/3M-NANO.2017.8286329, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8286329&isnumber=8286251>
7. S. Nikolov, V. Kotev, K. **Kostadinov**, F. Wang, C. Liang and Y. Tian, "Model-based design optimization of soft fibre-reinforced bending actuators," 2016 *IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO)*, Chongqing, China, 2016, pp. 136-140, ISBN: 978-1-5090-2945-7, DOI: 10.1109/3M-NANO.2016.7824949, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7824949>
8. A. Shulev, T. Tiankov, D. Ignatova, K. **Kostadinov**, I. Roussev, D. Trifonov, V. Penchev, *Optomechatronic System for Automated Intra Cytoplasmic Sperm Injection*, 2015, *J. of Theoretical & Applied Mechanics*, vol.45 #4, pp.3-14
9. Florin Ionescu, Dragos Arotaritei, George Constantin, Radu Dobrescu, Kostadin **Kostadinov**, Florin Stratulat, Dan Stefanoiu, *Virtual Manufacturing Lines: A Modern Tool For Industry And Education* Forth International Conference "Sustainable development in conditions of economic instability", June 2015, at Satu Mare, Romania, pp.155-166
10. Ilie Talpasanu, Florin Ionescu, Kostadin **Kostadinov**, *Inverse Dynamics and Design Analysis for a 6 degrees of Freedom Manipulator with Micro and Nano precision for biomedical Applications*; In book: *INVERSE PROBLEMS and COMPUTATIONAL MECHANICS*, vol.2, 2015, Chapter: *Inverse Dynamics & Design Analysis for 6 degrees of Freedom Manipulator with Micro & Nano precision for biomedical Applications*; Editura Academiei Romane, p.19.
11. **Kostadinov**, K., *Hydro-MiNTS Approach for Development of Integrated Microbotic System for Innovative Micro & Nano Biomedical Applications*, *Proceedings of the XII Int. Conference on Systems, Automatic control and Measurements*, Edited by Vlastimir Nicolice, Dragan Antic, Darko Mitic, 11/2014: pp. 17-24; Unigraf X-Copy., ISBN: 978-86-6125-117-7
12. **Kostadinov**, K., Vi. Kotev, D. Penchev, *Force sensing of teleoperated robotized cell injection*, in Eds.: N. Mastorakis et al, *Advances in Robotics, Mechatronics and Circuits*, July, 2014, Santorini, Greece, ISBN 976-1-61804-242-2, pp.160-163
13. Vi. Kotev, F. Ionescu, **Kostadinov**, K., *Design and development of a robotized system for biological cells manipulations*, ICBBM2014, In Ed. E. Djukendjiev, *Proc. of the 10th Baltic-Bulgarian Conf. "Bionics and prosthetics, biomechanics and mechanics, mechatronics&robotics"*, 2-7.06.2014, Liepaya, Latvia, RTU Press, Riga, ISBN 978-9934-10-573-9, pp.73-81.
14. **Kostadinov**, K., Chakarov, D., Shulev, A., & Tiankov, T. (2013). *A Robot for Cell Injection: Modeling, Design and Experimental Validation*. *International Journal of Intelligent Mechatronics and Robotics (IJIMR)*, 3(3), pp.77-98. doi:10.4018/IJIMR.2013070106
15. **Kostadinov** K., D. Trifonov, T. Tjankov, A. Shulev, I. Vuchkov. *Concept design and experimental set-up of microfluidic device for single-cell immobilization*. *Proceeding of the 9th Baltic, International Conference on Bionics and Prosthetics and Mechanics, Mechatronics and Robotics*, June 17-21, Vol.9, 2013, pp. 134-139, Riga, Latvia. (ISBN 978-9934-8409-0-6).
16. Majlis B., K. **Kostadinov**, A. Bhatti(Eds.), *Nanotechnology in the Edge of Convergence*, 05/2013; NAM S&T Centre, p.230
17. Tiankov, T., Trifonov, D., Chakarov, D., Shulev, A., **Kostadinov**, K., "Microfluidic Mechatronic Device – Basic Unit for Automation of Cell Microinjection", 13th *Mechatronics forum International Conference*, *Proceedings vol. 2/3*, September 17-19.2012, Johannes Kepler University, Linz, Austria, Trauner Verlag, ISBN: 978-3-99033-045-6, pp: 476-481.
18. K. **KOSTADINOV**, D. CHAKAROV, **Chapter 21 "IMPEDANCE CONTROLLED MECHATRONIC SYSTEMS for Autonomous Intelligent Devices"**, pp.385-408
19. K. **KOSTADINOV**, **Chapter 22 „HYDRO-MINA ROBOT TECHNOLOGY FOR MICRO AND NANO MANIPULATION IN**

- MANUFACTURING OF MICRO PRODUCTS*”, pp.409-419 in Book Editors: Dr Jitendra R. Raol, Dr. Ajith Gopal, *Mobile Intelligent Autonomous Systems*, CRC Press(Taylor & Francis), Florida, USA, Aug. 2012. www.crcpress.com
20. Shulev Assen, Il. Roussev, **K. Kostadinov**, Force Sensor for Cell Injection and Characterization, in Conference Proceedings Edited by: Volkmar Eichhorn, Hui Xie, Rencheng Liu & Miao Yu, International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO) 29 August - 1 September 2012, Xi'an, China, pp.335-338, IEEE Catalog Number: CFP123MN-CDR, ISBN: 978-1-4673-4589-7
 21. Assen Shulev, **K. Kostadinov**, T. Tiankov, and Ilia Roussev, Optical Positioning Control of a 3D Micromanipulator, *International Journal of Optomechatronics*, ISSN 1559-9612 presented in 3M-NANO Int. Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, Changchun, China, 29.08-02.09.2011
 22. Valchev G., D. Dantchev, **K. Kostadinov**, On the Forces between Micro and Nano Objects and the Gripper, *International Journal of Intelligent Mechatronics and Robotics (IJIMR)*, 2(2), pp.15-33, April-June 2012, IGI Global, Hershey, PA, USA, ISSN: 2156-1664; presented in 3M-NANO International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, Changchun, China, 29.08-02.09.2011
 23. **K.G. Kostadinov**, D.S. Trifonov, M.A. Al-Wahab, V.F. Kotev and T.P. Petrov, CD-Based Microfluidic Device for Automated Immobilization and Microinjection of Biological Cell, *Journal of Micro and Nanosystems*, Volume 3, Issue 3, September 2011, Pages 236-249, ISSN 1876-4029
 24. Fl. Ionescu, **K. Kostadinov**, St. Arghir, Dr. Arotaritei, Hybrid Micro-Nano Robot for Cell and Cristal Manipulations, *Journal of Control Engineering and Applied Informatics*, Vol 13, No 2 (2011), pp.56-63.
 25. R. Kasper, M. Al-Wahab, **K. Kostadinov** and T. Tiankov, Micro/Nano-Manipulators with Structured piezo-ceramic actuators, in Eds.: J.-L. Ferrier, Al. Bernard, Ol. Gusikhin, K. Madani, Proc. of ICINCO 2011, Vol.2., Noordwijkerhout, The Netherlands 28-31 July, 2011, pp.242-247, ISBN:978-989-8425-75-1, **SciTePress**, Portugal.
 26. D. S. Trifonov, Kostadin G. **Kostadinov**, M. A. Al-Wahab, V.F. Kotev, Computer Simulation of CD-based Injection-Moulded Micro-patterned Polymer Substrates for Cell Immobilization, in *Journal of Materials Science and Engineering* 5 (2011), pp.110-119, Impact factor of this journal 2010-08-05: **0.2334**, ISSN 1934-8959.
 27. **K. Kostadinov**, Robot Technology in Hybrid Assembly Approach for Precise Manufacturing of Microproducts, Proc. of the 12th Mechatronics Forum, June 28-30, 2010, ETH Zurich, Switzerland, Book 1, pp. 293-300.
 28. Stavrov Vl., Em. Tomerov, Ch. Hardalov, D. Dantchev, **K. Kostadinov**, G. Stavreva, Evst. Apostolov, As. Shulev, Anna Andonova, M. Al-Wahab, Low Voltage Thermo-Mechanically Driven Monolithic Microgripper with Piezoresistive Feedback, in *Precision Assembly Technologies and Systems: 5th Ifip Wg 5.5 International Precision Assembly Seminar, IPAS 2010*, Chamonix, France, February 14-17, 2010, Proceedings, Vol.315 of *IFIP Advances in Information & Communication Technology Series*, Ed. Sv. Ratchev, Publisher Springer, 2010, pp.207-214.

Annex #2

II. Papers for technology transfer and Innovation:

29. Kostadin **Kostadinov**: Reforms for socially responsible science, BG journal *Science*, issue 3, 2015, pp.25-28
30. Yorgova Ts., S. Petkova, **K. Kostadinov**, The GIS-TransferCenter technology transfer network in Bulgaria, *Steinbeis Transfermagazin* 3/2013, pp.14-15.
31. **Kostadinov K** Problems of Bulgarian scientists in their participation in the European Framework Programmes, Public Discussion Club for Science and Higher Education, Nr.1/2012, Year 2, ISSN1314-4820, April 2012, 30 p.
32. **K. Kostadinov**, G. Raichevski, Tsv. Yorgova, Model for Effective “Science – Business” Collaboration in Bulgarian Economy 4th Int. Conf. for Entrepreneurship, Innovation and Regional Development ICEIRD 2011, 5–7 May 2011 Ohrid, Macedonia
33. **Kostadinov K**, Challenges to the Bulgarian policy for science & innovation, *Science* (BG), Nr.2, 2010, vol. XX, pp.12-17.
34. **Kostadinov K.**, (Editor), Economy and business planning for technology oriented small and medium sized enterprises, 2009, p.267, Academic Publishing House “Prof. M. Drinov” & GIS-TransferCenter, ISBN 978-954-322-235-3, 2nd Edition,
35. **Kostadinov K.**, Academic science as a source for innovation (Chapter 7 – pp.161-190), In Ed.: M. Petrov etc.: *Innovations. European, national and regional policy*”, 2008, ISBN 978-954-9456-12-7, (in Bulgarian).
36. **Kostadinov K.**, (Editor), Entrepreneurship and business planning for technology oriented start-ups, 2007, p.323, Academic Publishing House “Prof. M. Drinov” and GIS-TransferCenter, ISBN 978-954-322-235-3. (in Bulgarian)
37. Popov Al., **K. Kostadinov**, Technology transfer of research products, *Journal of Bulgarian Academy of Sciences*, year CXVIII, No.1/2005, pp.45-47 (in Bulgarian).
38. **Kostadinov K.**, Al. Popov, BAS-Projects and their realization in Bulgarian economics with assistance of GIS-Transfer Center, *Journal of Bulgarian Academy of Sciences*, year CXVIII, No.2/2005, pp.52-57. (in Bulgarian).
39. **Kostadinov K.**, Al. Popov, Technology transfer and innovation in Bulgaria, *Journal of Bulgarian Academy of Sciences*, year CXVII, No.4/2004, pp. 80-87, (in Bulgarian).
40. **Kostadinov K.**, Researchers and Scientists and their role in the knowledge-based society with accent in the triangle – knowledge-education and business, *Journal “Science”*, vol. XV, 2005, pp.48-52, (in Bulgarian)

LIST of recent patents

1. **Kostadinov** K., D. Chakarov, T. Tiankov, Fl. Ionescu, Robot for micro and nano manipulations, **BG Patent** Nr. 110432, 28.07.2009
2. Schroeder J., M. Al-Wahab, K. **Kostadinov**, Micromanipulator, **BG Patent** Nr. 110436, 04.08.2009
3. **Kostadinov** K., K. Delchev, Vl. Vitkov, Device for markers, **BG patent** Nr. 110592, 28.01.2010.
4. **Kostadinov** K., P. Genova, Vl. Kotev T. Tiankov, Microelectromechanical device for manipulators, **BG patent** Nr. 110597, 15.02.2010
5. Ranchev, S., K. **Kostadinov**, T. Tiankov, Device for chips control, **BG patent** Nr. 110645, 04.05.2010
6. **Kostadinov** K., P. Genova, Sp. Konstantinov, Iv. Chavdarov, Device for Bioreactor, **BG patent** Nr.110652, 13.05.2010
7. Ranchev, S., K. **Kostadinov**, T. Tiankov, Vacuum gripping device, **BG patent** Nr. 110763, 30.09.2010
8. **Kostadinov** K., D. Trifonov, T. Tiankov, Assen Shulev, Feeding device for biological cells, **BG patent** Nr. 110855, 11.02.2011
9. Trifonov D., T. Tiankov, K. **Kostadinov**, As. Shulev, Micro fluidic device for biological cells, **BG patent** Nr. 111365, 10.12.2012
10. D. Chakarov, Iv. Veneva, **K. Kostadinov**, Vl. Stavrov, M. Tsveov, Device for torque measuring, Patent Application Reg. №111934 / 20.02.2015
11. Shulev Asen, Kostadinov Kostadin, Trifonov Dimitar, Tyankov Tihomir, TUB FOR INTRACYTOPLASMIC INJECTION, Reg.# BG111989 (A),31.10.2016
12. SEN Indraneel; KOSEVA, Neli; PETROV, Petar; **KOSTADINOV**, Kostadin; METHOD FOR NEUTRON DETECTION AND NEUTRON DETECTOR THEREOF, PCT/BG2014/000024, WO/2015/196262, 30.12.2015
13. Veneva Ivanka, Venev Hristo, Trifonov Dimitar, Tsveov Mihail, Venev Pavel, Kostadinov Kostadin, Chakarov Dimitar, Zlatanov Evgeni, LOWER LIMB WITH ACTIVE JOINTS, Reg.# BG112139 (A), 31.05.2017
- 14.

Project portfolio

Projects under implementation:

1. EI GA#211253 under the European Institute of Innovation and Technology HEI Initiative - HEI - **Idea to Impact - i2i**, July 1st, 2021 - June 30th of 2023
2. **H2020-MSCA-RISE-2016 # 734174 MNR4SCell Micro/Nano Robotics for Single Cancer Cells** (30.10.2017-31.12.2021), **coordinator** for the team from Institute of Mechanics

Projects closed:

3. **H2020-INNOSUP-2016-2017 777441** Pan-European Access for manufacturing SME on tech. services for clean production through a Network of premier **KET Technology Centres** with one stop shop access incl. EEN and discourse with policy makers on RIS3, 01.01.2018-30.09.2021, 113437,50 € – **senior expert**
4. COS-EEN-SGA4-2020-2021 #879453 EEN-BG, 01.01.2020-31.12.2021 – **senior expert**
5. **H2020-IBA-SC3-NCP-2018 #831748** Connecting Energy National Contact Points in a pro-active network under Societal Challenge 3'Secure, clean and efficient energy' in Horizon 2020, 01.01.2019-31.12.2020
6. **H2020-EEN-SGA3-2018 # 830902** EEN InnoSupp BG-3, 01.01.2019-31.12.2019 – KAM & Innovation expert
7. COS-EEN-SGA3-2018-2-01 #830901 EEN-BG, 01.01.2019-31.12.2019
8. Facilitating macro-regional scope and link up to socio-economic actors of Research Infrastructure in the Danube Region (ResInfra@DR) – **INTERREG Danube** Region Programme, 01.01.2017-30.06.2019, **coordinator** for the team from Bulgarian Ministry of Education and Science.
9. **H2020** 641003 Connecting Energy National Contact Points in a pro-active network under Societal Challenge 3 'Secure, clean and efficient energy' in Horizon 2020, 01.12.2014-30.11.2018, 34000 Euro – **senior expert**
10. **FP7 Project No. 612641 Biomedical Robotics and Applications — BioRA (01.01.2014-31.12.2017) - Head** of BG team. Research network with 4 Chinese and 4 European universities.
11. **H2020-Adhoc-2014-20** 643334 Establishing services Enhancing the innovation management capacity of SMEs in Bulgaria - 01.01.2015-31.12.2016 – 30500 Euro - **senior expert**
12. **FP7 Project No. 257695 "Virtual Embodiment and Robotic Re-Embodiment", VERE (01.01.2014-31.12.2015) - Member** of team from the Institute of Mechanics–Bulgarian Academy of Sciences(BAS)
13. **"Robotic system for in vitro fertilization"** contract № BG161PO003-1.1.05-0035-C0001, BG161RO003-1.1.05 financial support by OP "Development of the Competitiveness of the Bulgarian Economy" 2007-2013, co-financed by the EU through the ERDF, **Electronic engineer** for company Microna Ltd, 23.10.2012–22.10.2014
14. **Specialized mechatronic systems for micro- and nano-technologies (SpeSy-MiNT) funded by the Bulgarian National Science Foundation under the Contract Nr. DO 0171/16.12.2008-15.12.2012– Head** of the team.
15. EC CIP *Project EIIRC-3-BG "Network for provision of integrated services in support of business and innovation in Bulgaria" as a partner in EEN consortium led by ARC Fund (2013-2014) Expert*
16. EC FP7 260748 Project Fit-to-Health Promoting participation of high-tech research-intensive SMEs in Health (01.10.2010-30.09.2013) **Expert & administrative responsible**
17. EC CIP *Project EURESP+ (European Regional Environmental Services Platform PLUS) (11.2011-10.2013) Expert & administrative responsible*
18. EC FP7 218878 Transnational cooperation of the SME NCP EU network (01.02.08—31.12.12), **Head** of BG team
19. EC CIP *Project 150325 EIIRC-2-BG "Network for provision of integrated services in support of business and innovation in Bulgaria" as a partner in EEN consortium led by ARC Fund (2007-2012) Expert*
20. EC CIP Project Nr.249821 EU4SME (09.2010 – 12.2011) **expert & administrative responsible**
21. **FP6-2004-NMP-NI-4 Project** No: IP 026622-2 HYDROMEL **"Hybrid ultra-precision manufacturing process based on positional- and self-assembly for complex micro-products"**, 472 000 Euro (01.10.2006-30.09.2010) **Head** of team from the Institute of Mechanics – BAS
22. **FP6 SME GO HEALTH (01.02.07-31.12.2010). – expert & administrative responsible**
23. **DFG MechHaPiCS -1 (10.2005– 09.2007) & 2 (12.2007– 12.2009) Head of Bulgarian research team**