

## CURRICULUM VITAE

### 1. Personal information

**First name:** Podashev  
**Surname:** Dmitriy  
**Date of birth:** 4 june 1990  
**Nationality:** Russia

E-mail: dbp90@mail.ru

### 2. Education:

<i>Place:</i>	Irkutsk state technical university
<i>The training period:</i>	09.2007 – 06.2012
<i>The diploma:</i>	Higher education (Specialist). Information systems and technologies.

<i>Place:</i>	Irkutsk national research technical university
<i>The training period:</i>	10.2012 – 10.2014
<i>The diploma:</i>	Degree of Candidate of Technical Sciences (PhD). Technology of mechanical engineering.

### 3. Qualifications

- May 2017 – June 2017; "Studying the experience of the Irkutsk Center for Standardization and Metrology in the field of technical regulation and metrology", State Regional Center for Standardization and Metrology in the Irkutsk Region, Irkutsk, Russia;
- January 2018 – February 2018; "Standards of the organization are development for the manufacture of engineering products", internship, Irkutsk, Russia;
- March 2018 – April 2018; "Training in the skills of first aid for pedagogical workers", training, INRTU, Irkutsk, Russia;
- March 2018 – April 2018; "Organization of the educational process for the main professional programs using the electronic information and educational environment", training, INRTU, Irkutsk, Russia;
- May 2018 – June 2018; "Development of organization standards for the manufacture of engineering products", Research and production corporation "Irkut", Irkutsk, Russia;
- September 2018 – October 2018; "Innovative economy and technological entrepreneurship", INRTU, Irkutsk, Russia;
- March 2019 – April 2019; "Modern learning technologies in an educational organization of higher education", INRTU, Irkutsk, Russia;
- June 2021 – Received the academic title of Associate Professor of the Higher Attestation Commission of the Russian Federation.

### 4. Work experience:

*Dates: from (month.year) to (month.year)*

<i>Dates: from (month.year) to (month.year)</i>	02.2015 – nowadays
<i>Place:</i>	Irkutsk, Russia
<i>Firm:</i>	Irkutsk national research technical university
<i>Appointment:</i>	The senior Lecturer; Since 06.2015 Associate Professor of the Institute of Aircraft Engineering and Transport, Irkutsk National Research Technical University.

### 5. Personal qualities

- Responsible
- Determined
- Initiative
- Consistent

## 6. List of scientific publications

1. Podashev, D.B. Finishing of parts with elastic polymer-abrasive tools / D.B. Podashev. - Irkutsk: Publishing House of IRNITU, 2018. - 246 p.
2. Podashev, D.B. Treatment of parts with polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev. - Irkutsk: Publishing House of IRNITU, 2020. - 318 p.
3. Podashev, D.B. Rounding the sharp edges of machine parts by means of elastic abrasive tools / Yu. V. Dimov, D.B. Podashev // Russian engineering research. – 2013. – vol. 33, no. 11 - P. 632-638.
4. Dimov Yuriy, Dmitriy Podashev. Optimization of Edge Rounding with Elastic Abrasive Tools // International Journal of Engineering and Technology (IJET). Dec 2015-Jan 2016. – vol. 7 (6) – P. 2001-2007.
5. Podashev, D.B. Edge Forces in Machining by Abrasive Brushes / Yu. V. Dimov, D.B. Podashev // Russian Engineering Research. – 2017. – vol. 37, no. 2. - P. 117-121.
6. Podashev, D.B. Properties of Elastic Abrasive Wheels / Yu. V. Dimov, D.B. Podashev // Russian Engineering Research. – 2017. – vol. 37, no. 7. - P. 631-637.
7. Podashev, D.B. Efficient Machining by Elastic Abrasive Wheels / Yu. V. Dimov, D.B. Podashev // Russian Engineering Research. – 2017. – vol. 37, no. 7. - P. 655-659.
8. Yuriy Dimov and Dmitriy Podashev. Robotic edge machining with abrasive brushes // MATEC: Web of Conferences. – 2018. – vol. 224. Article number 01014.
9. Yu. Dimov and D. Podashev. Application of industrial robots for parts finishing // IOP: Conferences Series: Materials Science and Engineering. – 2018. – vol. 463. Article number 022013.
10. Podashev, D.B. Machining forces exerted by an Elastic Abrasive Wheel / Yu. V. Dimov, D.B. Podashev // Russian Engineering Research. – 2018. – vol. 38, no. 12. – P. 932-937.
11. Podashev, D.B. Rounding sharp edges of machine parts with elastic polymer abrasive wheels / Yu. V. Dimov, D.B. Podashev // MATEC: Web of Conferences. – 2019. – vol. 298. Article number 00029.
12. Podashev, D.B. Cutting temperature by polymer-abrasive end brushes for machining planes / D.B. Podashev, Yu. V. Dimov // Lecture Notes in Mechanical Engineering. - 2019. - Vol. II. pp. 1053–1060.
13. Podashev, D.B. Experimental research of cutting forces at finishing processing of machine components by elastic polymer-abrasive circles / Yu. V. Dimov, D.B. Podashev // IOP: Conferences Series: Materials Science and Engineering. – 2019. – vol. 632. Article number 012091

14. Podashev, D.B. Rounding sharp edges of machine parts with elastic polymer abrasive wheels / Yu. V. Dimov, D.B. Podashev // IOP: Conferences Series: Materials Science and Engineering. – 2020. – vol. 709. Article number 022056.
15. Podashev, D.B. Study of the possibility to process the edges of the parts on the robot /D.B. Podashev //IOP: Conferences Series: Materials Science and Engineering. – 2020. – vol. 971. Article number 022028.
16. Podashev, D.B. The wheels for final processing of parts /Yu. V. Dimov, D.B. Podashev //IOP: Conferences Series: Materials Science and Engineering. - 2020. – vol. 971. Article number 022029.
17. Podashev D.B. Optimization of the process of processing parts with elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // Vestnik mashinostroeniya. - 2014. - Vol. 8 - P. 65-69.
18. Podashev, D.B. Temperature in the cutting zone during processing with elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2015. - Vol. 2. - P. 38-42.
19. Podashev D.B. Cutting forces during processing with elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2015. - Vol. 7. – P. 47-55.
20. Podashev D.B. Roughness of the edges of machine parts during their rounding / Yu.V. Dimov, D.B. Podashev // Vestnik mashinostroeniya. - 2015. - Vol. 12. - P.53-55.
21. Podashev D.B. Study of the characteristics of polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2016. - Vol. 4. - P. 19-24.
22. Podashev D.B. Investigation of surface quality when rounding edges with polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2016. - Vol. 9. - P. 23-34.
23. Podashev D.B. Calculation of the force acting on the edge of a part during processing with abrasive brushes / Yu.V. Dimov, D.B. Podashev // Vestnik mashinostroeniya. - 2016. - Vol. 11. – P. 59-63.
24. Podashev D.B. Study of the properties of elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // STIN. - 2017. - Vol. 2. - P. 27-32.
25. Podashev D.B. Efficiency of processing with elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // STIN. - 2017. - Vol. 2. - P. 36-40.
26. Podashev, D.B. Investigation of the productivity of the process of rounding edges with polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of mechanical engineering. - 2017. - Vol. 3. - P. 74-78.

27. Podashev D.B. Productivity when rounding edges with end polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2017. - Vol. 8. - P. 10-21.
28. Podashev, D.B. Forces of cutting when processing edges with face brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2017. - Vol. 12. - P. 22-42.
29. Podashev D.B. Surface roughness during processing with polymer-abrasive circles / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2018. - Vol. 2. - P. 10-25.
30. Podashev, D.B. Cutting forces during the processing of planes with end polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2018. - Vol. 5. - P. 28-45.
31. Podashev, D.B. Investigation of the forces of interaction of an elastic abrasive wheel with a workpiece being processed / Yu.V. Dimov, D.B. Podashev // Vestnik mashinostroeniya. - 2018. - Vol. 6. – P. 54-59.
32. Podashev, D.B. Mathematical model for determining the productivity of machining parts with polymer-abrasive circles / Yu.V. Dimov, D.B. Podashev // Vestnik mashinostroeniya. - 2018. - Vol. 8. - P. 56-63.
33. Podashev, D.B. Wear of polymer-abrasive brushes during edge processing / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. - 2018. - Vol. 11. - P. 43-55.
34. Podashev, D.B. Productivity and quality of processing planes with end polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Metalworking. Vol. 5 (113), 2019. - P. 3-10.
35. Podashev, D.B. The quality of edges in the finishing processing of parts on a robotic complex / D.B. Podashev // Bulletin of the Perm National Research Polytechnic University. Mechanical engineering, materials science. Volume 22, Vol. 1, 2020. - P. 61-69.
36. Podashev, D.B. The use of an industrial robot for processing the edges of parts / Yu.V. Dimov, D.B. Podashev // Bulletin of Mechanical Engineering, Vol. 6, 2020, pp. 65-71.
37. Podashev, D.B. Residual stresses when cleaning surfaces with elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // Bulletin of Mechanical Engineering, Vol. 7, 2020, pp. 54-61.
38. Podashev, D.B. Cutting temperature during processing with elastic abrasive circles / Yu.V. Dimov, D.B. Podashev // Bulletin of Mechanical Engineering, Vol. 8, 2020, pp. 55-60.
39. Podashev, D.B. Productivity of the process when processing the edges of parts with polymer-abrasive brushes / Yu.V. Dimov, D.B. Podashev // Bulletin of the Perm National Research Polytechnic University. Mechanical engineering, materials science. Volume 22, Vol. 3, 2020, pp. 29–36.

40. Podashev, D.B. Edge quality control system for finishing with elastic polymer-abrasive tools and its analysis. Part 1 / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. V.24, Vol. 5, 2020. P. 977–992.
41. Podashev, D.B. Edge quality control system for finishing with elastic polymer-abrasive tools and its analysis. Part 2 / Yu.V. Dimov, D.B. Podashev // Bulletin of the Irkutsk State Technical University. V.24, Vol. 6, 2020. P. 1178–1189.
42. Podashev, D.B. Study of the quality of the edge of a part processed by an industrial robot / D.B. Podashev // Engineering techVology. Vol. 9 (219), 2020, pp. 59–66.
43. Podashev, D.B. Evaluation of the quality of the surface layer of aluminum alloy parts after processing with elastic polymer-abrasive circles / D.B. Podashev // Bulletin of the Perm National Research Polytechnic University. Mechanical engineering, materials science. Volume 22, Vol. 4, 2020, pp. 75–86.
44. Patent 91509 Russian Federation, IPC A 46 B 3/00. Polymer-abrasive brush for machining parts [Text] / Dimov Yu.V., Podashev D.B.; applicant and patent holder Irkutsk State Technical University. - Vol. 2009136118/22(051009); dec. 09/29/2009; publ. 20.02.2010, Bull. Vol. 5.
45. Certificate of state registration of the computer program 2014613558. Optimization of the finishing of parts with an elastic abrasive tool / Podashev D.B.; applicants and copyright holders FGBOU VO "INRTU", JSC Corporation "Irkut". – Vol. 2014610836; dec. 02/07/14; registered 03/28/14.
46. Pat. 2561342 Russian Federation, IPC G01B/5/28. Method for determining the parameters of the cutting microrelief of an elastic abrasive tool [Text] / Dimov Yu.V., Podashev D.B.; applicants and copyright holders FGBOU VO "INRTU", JSC Corporation "Irkut". - Vol. 2014120051/28; dec. 05/19/14; publ. 08/27/15, Bull. Vol. 24.
47. Certificate of state registration of the computer program 2018617430. Optimization of the rounding of sharp edges of parts with elastic polymer-abrasive brushes / Podashev D.B.; applicant and copyright holder FGBOU VO "INRTU". – Vol. 2018614648; dec. 05/10/18; registered 06/25/18.
48. Pat. 187637 Russian Federation, IPC B24B 9/02. Installation for processing edges on long parts such as profiles [Text] / Dimov Yu.V., Podashev D.B., Kitov A.K., Chapyshev A.P.; applicants and copyright holders FGBOU VO "INRTU", PJSC "Scientific and Production Corporation "Irkut". – Vol. 2018113559; dec. 04/13/18; publ. 03/14/19, Bull. Vol. 8.
49. Podashev, D.B. Elastic abrasive tool for finishing parts / D.B. Podashev, Yu.V. Markgeim // In the Collection of Articles of the V All-Russian Scientific and Practical Conference "Aircraft Engineering and Transport of Siberia" (Irkutsk). - April 16-18, 2015. - P. 117-125.

50. Podashev, D.B. Polymer-abrasive tools for finishing parts / D.B. Podashev // In the Collection of Articles of the IX All-Russian Scientific and Practical Conference "Aircraft Engineering and Transport of Siberia". - Irkutsk. - April 12-15, 2017. - P. 220-225.
51. Podashev, D.B. Rounding sharp edges of machine parts with a polymer-abrasive brush / D.B. Podashev // In the Collection of Materials of the I International Scientific and Practical Conference "Machines, Aggregates and Processes: Design, Creation and Modernization". - Saint Petersburg. - 2018. - P. 59-61.
52. Podashev D.B., Dimov Yu.V. Metrology, qualimetry and standardization: workshop. Irkutsk: Publishing House of INRTU, 2019. 102 p.
53. Podashev D.B. Metrology, qualimetry and standardization. Irkutsk: Publishing house INRTU, 2021. 420 p.
54. Podashev, D.B. Theory of formation of edge's surface roughness finished by radial polymer-abrasive brushes / D.B. Podashev // Materials Science Forum. - 2021. - 1037 MSF. - pp. 571-580.
55. Podashev, D.B. Control of Deformation of Elastic Polymer-Abrasive Circles at their Wear / D.B. Podashev // Materials Research Proceedings. - 2022. - vol. 21. - pp. 329-334.