Europass Curriculum Vitae

Informazioni Personali
Personal information

Nome e Cognome *First name and Surname*	Kirill Kalashnikov
Indirizzo/*Address*	90128, Via Giuseppe Li Bassi 78A, Palermo (PA)
Numero Telefonico/*Telephone*	– Cellulare/*Mobile*: +39 351 7576445
E-mail	kirill.kalashnikov@unipa.it
Nazionalità/*Nationality*	Russian
Data di nascita/*Date of birth*	03.04.1994
Sesso /*Gender*	Male

Esperienze lavorative
Work experience

Data *Dates*	30 Dec 2018 – 13 Oct 2022
Lavoro o posizione ricoperti *Occupation or position held*	***Junior Researcher***
Principali attività e responsabilità *Main activities and responsibilities*	• Investigation of materials produced via electron beam additive manufacturing, friction stir welding/ processing, and hybrid laser welding; • Materials characterization by the methods of optical and confocal laser scanning microscopy, basic scanning electron microscopy, and mechanical testing; • Data analysis and scientific manuscript preparation; • Manuscript reviewing, editing and translation in English; • Operating additive manufacturing equipment; • Preparing metallographic and mechanical testing specimens; • Preparing presentations and conference reports; • Preparing grant applications.
Datore di lavoro *Name and address of employer*	Institute of Strength Physics and Materials Science of Siberian Branch of Russian Academy of Sciences (ISPMS SB RAS), 634055, Pr. Akademicheskii 2/4, Tomsk, Russia
Settore/*Type of business or sector*	Science
Data *Dates*	03 Oct 2017 – 30 Dec 2018
Lavoro o posizione ricoperti *Occupation or position held*	***Engineer***

Principali attività e responsabilità *Main activities and responsibilities*	• Conduct studies on the properties and characteristics of materials and design, develop and specify processes for friction stir welding/processing and additive manufacturing. • Operating special equipment for electron beam additive manufacturing. • Servicing of EBAM equipment, including maintenance of the cathode assembly of the electron beam gun and vacuum gauges; • Prepairing specimens for structural analysis and mechanical testing. • Developing CAD models and drawings of 3D printing equipment parts.
Datore di lavoro *Name and address of employer*	Institute of Strength Physics and Materials Science of Siberian Branch of Russian Academy of Sciences (ISPMS SB RAS), 634055, Pr. Akademicheskii 2/4, Tomsk, Russia
Settore/*Type of business or sector*	Science

Istruzione e formazione
Education and training

Data/*Date*	01.11.2023 – Current time
Titolo della qualifica rilasciata *Title of qualification awarded*	***PhD (Mechanical engineering)***
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione *Name and type of organisation providing education and training*	Università degli studi di Palermo, PA, Italy
Data/*Date*	01.09.2016 – 30.08.2018
Titolo della qualifica rilasciata *Title of qualification awarded*	***Master (Physics)***
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione *Name and type of organisation providing education and training*	Federal State Autonomous Educational Institution of Higher Education «National Research Tomsk State University», Tomsk, Russia
Tesi *Thesis*	The role of severe plastic deformation mechanisms in the structure formation of bulk ultra-fine grained crystalline materials with enhanced strength characteristics under conditions of thermo-activated mechanical stirring
Data/*Date*	01.09.2012 – 30.08.2016
Titolo della qualifica rilasciata *Title of qualification awarded*	***Bachelor (Physics)***
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione *Name and type of organisation providing education and training*	Federal State Autonomous Educational Institution of Higher Education «National Research Tomsk State University», Tomsk, Russia
Tesi *Thesis*	Study of adhesion transfer under sliding friction conditions

Capacità e competenze personali
Personal skills and competences

Madrelingua / *Mother tongue(s)*: Russian

Altre lingue / *Other language(s)*: **English**

Autovalutazione / *Self-assessment*	**Comprensione / *Understanding***		**Parlato / *Speaking***		**Scritto / *Writing***
Livello europeo / European level *(*)*	*Listening*	Reading	*Spoken interaction*	*Spoken production*	
Lingua / *Language*	B2	C1	B2	B2	B2

(*) Common European Framework of Reference for Languages

Capacità e competenze sociali
Social skills and competences

- Teamwork and cooperation skills;
- High ability to adapt to multicultural environment;
- Good verbal communication skills;
- Good ability to giving constructive criticism and receiving feedback;
- Public speaking skills;
- Tolerance and empathy.

Capacità e competenze organizzative
Organisational skills and competences

- Skills in manage time and deadlines;
- Project application preparation and management skills;
- Multitasking skills;
- Skills in role assignment and delegation of work.

Capacità e competenze tecniche
Technical skills and competences

- Skills in operating friction stir welding equipment;
- Skills in controlling equipment for wire-based electron beam additive manufacturing and selecting 3D printing parameters;
- Strong skills in preparing scholarly publications such as original articles, review articles, and conference papers;
- Advanced skills in microstructure analysis and description of metals, alloys, and composite materials;
- Strong skills in interpretation of results of mechanical testing;
- Advanced skills in searching and analyzing scientific publications, reviewing manuscripts;
- Strong skills in metallographic studies by optical microscopy and laser scanning confocal microscopy;
- Good skills in microhardness measurements;
- Advanced skills in specimens preparation including grinding, polishing, and etching;
- Ability to conduct studies using scanning electron microscopy;

Capacità e competenze informatiche
Computer skills and competences

- Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access;
- MagicPlot scientific plotting software;
- Adobe Photoshop, Pixelmator Pro, Procreate, CorelDRAW;
- SolidWorks and Autodesk CAD software;
- MacOS and Windows operating systems;
- Scientific database search (Scopus, Web of Science, ResearchGate, etc.);
- Video Conferencing (Zoom, Teams);
- Kolor Autopano;
- G-Code programming.

Capacità e competenze artistiche
Artistic skills and competences

-Guitar playing, singing, song writing.

Altre capacità e competenze
other skills and competences

-Driving

Premi e borse di studio
Awards and scholarships

Honorary Diploma of the Siberian Branch of the Russian Academy of Sciences – 08.02.2022

For personal contribution to the national science development, many years of diligent work and in connection with the Russian Science Day was awarded the Honorary Diploma of the Siberian Branch of the Russian Academy of Sciences by the resolution of the presidium of SB RAS.

Tomsk Region Award in Education, Science, Health, and Culture – 17.12.2021

Laureate of the Tomsk Region Award in the category of awards to scientific and educational teams.

Zh. I. Alferov Personal Scholarship for Young Scientists in Physics and Nanotechnology – 14.07.2021

Winner of the 2021 competitive selection for the right to receive Zh. I. Alferov personal scholarships for young scientists in physics and nanotechnology.

Brevetti
Patents

RU2721109C1 – 15.05.2020

Method for additive production of articles from high-strength aluminum alloys with a functional gradient structure

RU2704874C1 – 31.10.2019

Hybrid ultrasonic welding method and device for its implementation

RU2700439C1 – 17.09.2019

Method for additive production of articles from titanium alloys with a functional gradient structure

Progetti
Projects

– **RFBR 20-32-90009** "Regularities in the structure formation and mechanical properties of metal products made of Ti64 titanium alloy, produced by wire-feed electron beam additive manufacturing" (2020 – 2022) Funding source: Russian Foundation for Basic Research, Funding amount: 12,000 EUR

– **Integrated Project Agreement No. 075-11-2019-033** "Establishment of production of high-tech large-sized equipment for intelligent adaptive friction stir welding for the aerospace and transport industries of the Russian Federation" (2019 – 2021) Funding source: Ministry of Science and Higher Education of the Russian Federation and Industrial Funding, Funding amount: 2,168,000 EUR

– **Federal target program 14.610.21.0013** "Development and creation of a line of industrial robotic equipment based on multi-beam electron beam technology for high-performance additive production of large-sized metal and polymetallic parts, assemblies and structures for key industries of the Russian Federation" (2017 – 2019) Funding source: Ministry of Science and Higher Education of the Russian Federation and Industrial funding, Funding amount: 3,785,000 EUR

– **Federal Target Program 14.607.21.0190** "Development of intelligent technology for hybrid laser welding with ultrasonic impact and adaptive control for the production of tank containers, including cryogenic ones for transportation of liquefied natural gas in hard- to-reach areas and the Arctic" (2017 – 2019) Funding source: Ministry of Science and Higher Education of the Russian Federation and Industrial Funding, Funding amount: 2,993,000 EUR

– **RFBR 16-48-700652 r_a** "The role of severe plastic deformation mechanisms in the structure formation of bulk ultra-fine grained crystalline materials with enhanced strength characteristics under conditions of thermo-activated mechanical stirring" (2016 – 2018) Funding source: Russian Foundation for Basic Research, Funding amount: 18,000 EUR

Ulteriori informazioni
Additional information

Links to social networks and databases.

ResearchGate: https://www.researchgate.net/profile/Kirill-Kalashnikov

LinkedIn: https://www.linkedin.com/in/kirill-kalashnikov-5615b3233/
Scopus: https://www.scopus.com/authid/detail.uri?authorId=57190940625

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Data/*Date* 29.05.2024

FIRMA /*SIGNATURE*