



Kirill Zeyde (Zeide)

Phone number:

Email address:

Work:

Phone number:

Email address:

WORK EXPERIENCE

Leading Engineer

Ural Federal University [14/03/2014 – 23/03/2023]

Address: Mira street 32, Ekaterinburg (Russia) | **Website:** <https://rtf.urfu.ru/en/> | **Name of unit or department:** Department of radio engineering and communication - **Business or sector:** Education

Performing any laboratory and departmental engineering work. Assembling, fixing, tuning of radio equipment.

Assistant lecturer

Ural Federal University [14/03/2014 – 01/08/2017]

City: Ekaterinburg | **Country:** Russia | **Name of unit or department:** Department of radio engineering and information technologies

Preparation and delivery of lectures to students on specialized disciplines “antennas and radio wave propagation”, “electrodynamics”. Conducting laboratory works.

Senior Lecturer

Ural Federal University [01/09/2017 – 01/11/2019]

Address: Mira street 32, Ekaterinburg (Russia) | **Website:** <https://rtf.urfu.ru/en/> | **Name of unit or department:** Department of radio engineering and communication - **Business or sector:** Education

Preparation and delivery of lectures to students on specialized disciplines “antennas and radio wave propagation”, “electrodynamics”. Writing the program of disciplines, modules and methodological materials for them.

Associate Professor

Ural Federal University [01/11/2019 – 23/03/2023]

Address: Mira street 32, Ekaterinburg (Russia) | **Business or sector:** Education Lecturing, participating

in research projects, grants and studies.

Microwave devices engineer

Control devices [10/01/2022 – 23/03/2023]

City: Ekaterinburg | **Country:** Russia | **Business or sector:** Information and communication

Development of an antenna for MIMO FMCW radar system.
Development of an algorithm for focusing the radar on the target.

Software technical support specialist

ELM LLC [01/09/2021 – Current]

City: Moscow | **Country:** Russia | **Website:** <https://www.elm-c.ru/> | **Business or sector:** Information and communication

Licensing support for users of Altair FEKO, Altair WinProp and WIPL-D software products.

ICT Instructor

Huawei Academy [01/09/2021 – 23/03/2023]

City: Ekaterinburg | **Country:** Russia | **Website:** <https://e.huawei.com/en/talent/ict-academy/#/home> | **Business or sector:** Information and communication

Training of professionals in the Huawei program "Wi-Fi 6".

Radio equipment operator

JSC Vektor State Enterprise [01/09/2008 – 01/03/2009]

City: Ekaterinburg | **Country:** Russia

Support for experimental studies and measurements of phased antenna arrays at the polygon.

Invited student

University of Genoa [10/01/2012 – 01/03/2012]

City: Genoa | **Country:** Italy

Internship with Prof. Mirco Raffetto in the Laboratory of Applied Electrodynamics DITEN.

Invited student

University of Genoa [20/06/2015 – 01/09/2015]

City: Genoa | **Country:** Italy

Internship with Prof. Mirco Raffetto in the Laboratory of Applied Electrodynamics DITEN.

EDUCATION AND TRAINING

PhD Student

University of Genoa [01/11/2022 – Current]

City: Genoa | **Country:** Italy | **Website:** <https://unige.it/> | **Field(s) of study:** Information and Communication Technologies: ● Information and Communication Technologies (ICTs) not further defined ; Engineering, manufacturing and construction: ● Electronics and automation | **Final grade:** PhD

Course «Science And Technology For Electronic And Telecommunication Engineering». **Adviser:** Prof. Mirco Raffetto

Candidate of Science

Voronezh State University [01/09/2019 – 30/10/2019]

City: Voronezh | **Country:** Russia | **Website:** <https://www.vsu.ru/english/> | **Field(s) of study:** Natural sciences, mathematics and statistics: ● Physical sciences not further defined | **Thesis:** Electromagnetic waves diffraction by a rotating axisymmetric bodies

Master student

Ural Federal University [01/09/2010 – 31/08/2012]

City: Ekaterinburg | **Country:** Russia | **Website:** <https://urfu.ru/en/> | **Field(s) of study:** Information and Communication Technologies:
● Information and Communication Technologies (ICTs) not further defined | **Final grade:** MSc Degree in Radio Engineering | **Thesis:**
Simulation of electromagnetic scattering from the rotating circular cylinder with finite conductivity

Student

Ural Federal University [01/09/2005 – 31/08/2010]

City: Ekaterinburg | **Country:** Russia | **Website:** <https://urfu.ru/en/> | **Field(s) of study:** Information and Communication Technologies:
● Information and Communication Technologies (ICTs) not further defined | **Final grade:** Specialist Degree in Radioengineering

Altair University certification

Altair [01/09/2022 – 30/10/2022]

Country: United States | **Website:** <https://altair.com/academic-program> | **Field(s) of study:** Information and Communication Technologies: ● Software and applications development and analysis

Specialist in the use of the software product Altair Feko and WinProp

Huawei Certification

Huawei Academy [01/09/2021 – 01/10/2021]

Country: China | **Website:** <https://e.huawei.com/en/talent/ict-academy/#/home> | **Field(s) of study:** Information and Communication Technologies: ● Information and Communication Technologies (ICTs) not further defined |
Valid until: 31/07/2024

A specialist in the field of Wi-Fi 6 technology.

Cambridge First Certificate in English (FCE)

Ural Federal University [01/05/2016 – 30/10/2016]

City: Ekaterinburg | **Country:** Russia | **Website:** <https://urfu.ru/en/> certificate of ability to
teach in English.

LANGUAGE SKILLS

Mother tongue(s): Russian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Digital Skills - Test Results

A Information and data literacy

ADVANCED Level 5 / 6

B Communication and collaboration ADVANCED Level 5 / 6

C Digital content creation ADVANCED Level 6 / 6

D Safety ADVANCED Level 5 / 6

E Problem solving ADVANCED Level 5 / 6

Results from [self-assessment](#) based on [The Digital Competence Framework 2.1](#)

My Digital Skills

Microsoft Office / Microsoft Word / Comsol Multiphysics / Altair FEKO / Altair Winprop / WIPL-D / Microsoft Powerpoint / Microsoft Excel / Keysight Pathwave Automation / ► CST Studio / Ansys Electronics Desktop / MercuryDPM / MathCAD / Maxima / Pascal / FORTRAN

PUBLICATIONS

[2024]

A new born-approximation approach to compute the effects of motion on the solution of electromagnetic problems involving moving materials with stationary boundaries Write here the description...

M. Raffetto, M.R.C. Vargas, and K.M. Zeyde. IET Science, Measurement & Technology

[2021]

An analytic algorithm for dipole electromagnetic field in fully anisotropic planar-stratified media

D. Hong, N. Li, W. Han, Q. Zhan, K.M. Zeyde and Q.H. Liu

[2021]

Efficient HIE-FDTD method for designing a dual-band anisotropic terahertz absorption structure Y. Zhou, H. Li, L. Li, Y.

Cai, K.M. Zeyde, and X. Han, Optics express, vol. 29, no. 12, 2021.

[2021]

Reverse-Time Migration by Combining Laplacian Filtering with Wavefield Decomposition for High-Resolution Subsurface Imaging

X. Mao, Y. Zhou, F. Lei, L. Zhao, K.M. Zeyde, IEEE Journal on Multiscale and Multiphysics...

[2020]

Novel FMCW-Interferometry Method Testing on an Ultrasonic Clamp-on Flowmeter

M.V. Ronkin, A.A. Kalmykov and K.M. Zeyde, IEEE Sensors Journal, vol. 20, no. 11

[2019]

Guided microwaves electromagnetic drag over the sensitivity threshold experimental observation K.M. Zeyde, V.V. Sharov,

and M.V. Ronkin, WSEAS Transactions on Communications, vol. 18.

PROJECTS

[01/01/2022 – 01/01/2023]

Antennas development for the detecting metal reinforcement in a concrete structure device. Development of a signal propagation channel model Innovation Promotion Fund. Main Engineer of microwave devices.

[01/07/2021 – 01/11/2022]

Synthesis of new magnetic nanocomposites and experimental-theoretical study of its interaction with electromagnetic microwave radiation Research team leader. Grant project supported by Russian Science Foundation (No 21-79-10394).

[01/09/2017 – 01/09/2020]

Development of advanced means of radar, navigation and telecommunication systems Lead engineer radio technician on the project

CONFERENCES AND SEMINARS

[29/09/2024 – 02/10/2024] Viareggio, Italy

XXV Riunione Nazionale di Elettromagnetismo (RiNEm 2024) Finite-element Born approximations of the EM field scattered by moving media with stationary boundaries

[14/07/2024 – 19/07/2024] Florence, Italy

2024 IEEE International Symposium on Antennas and Propagation and ITNC-USNC-URSI Radio Science

Meeting (IEEE AP-S/URSI) First 3D Results Obtained by a New Born-Approximation Methodology for Media in Motion with Stationary Boundaries

[09/07/2024 – 11/07/2024] Tel-Aviv, Israel

International conference on microwaves, communications, antennas, biomedical engineering & electronic systems (IEEE COMCAS 2024) Multiscale Effects of Continuous Moving Medium for the Weak Bianisotropy Detection

[29/05/2022 – 03/06/2022] Gran Canaria, Spain

3rd URSI Atlantic / Asia-Pacific Radio Science Meeting – 2022 (AT-AP-RASC 2022) The Motion of Electrons under the Action of Inertial Forces in the Rarefied Medium

[09/11/2021 – 12/11/2021] Lipetsk, Russia

3rd International Conference on Control Systems, Mathematical Modeling, Automation and Energy Efficiency

(SUMMA 2021) Simulation of Novel Method for Material's Weak Bianisotropy Detection

NETWORKS AND MEMBERSHIPS

[01/01/2016 – Current] USA

IEEE From 2024 is Senior Member of IEEE.

Member, IEEE Antennas and Propagation Society (IEEE AP-S).