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## EDUCATION:

### Basic education (university, major, year of graduation):

Kharkiv Institute of Radio Electronics (graduated in 1985) Major: 'Electronic Computers' Qualification: Systems Engineer

### Additional training, certification programs:

- "Development of Multimedia Technologies for International Network Support: European Experience" (Bulgaria), 01.02.2022-05.03.2022, 8 ECTS credits (240 hours).
- "3D Modeling with BLENDER" (International project, Heilbronn University, Germany), certificate, 15.10.2022-30.12.2022, 2 ECTS credits (60 hours).
- "Innovative Teaching: From Design Thinking to Artificial Intelligence", Certificate No. IV-0554, 28.10-01.11.2024, 1 credit (30 hours).

## WORK EXPERIENCE:

### Professional Career (Workplace, Years, Position):

- National Aerospace University "Kharkiv Aviation Institute" (KhAI) 2023 – Present Associate Professor (Part-time)
- Kharkiv National University of Radio Electronics (KNURE) Associate Professor

## RESEARCH ACTIVITIES:

### Main Research Areas:

- Computer Graphics
- 3D Modeling, fractals, wavelets
- Publishing Systems
- Graphic Design





- 2D and 3D Animation

### **Monographs, Textbooks:**

1. Deineko, Zh. V., Zelenyi, O. P., & Nikitenko, O. M. "Construction of fractals using mathematical formulas in the LaTeX publishing system." // Printing, multimedia and web technologies. Innovations and development: monograph. – Kharkiv: "Madrid Printing House" LLC, 2024. – pp. 243-256.
2. Deineko, Zh. V., Zelenyi, O. P., & Nikitenko, O. M. "Construction of fractals using mathematical formulas in the LaTeX publishing system." // Printing, multimedia and web technologies. Innovations and development: monograph. – Kharkiv: "Madrid Printing House" LLC, 2024. – pp. 243-256.
3. Vlashchenko, L. G., Deineko, Zh. V., & Nikitenko, O. M. "Using the LaTeX publishing system to create illustrations in scientific works." // Printing, multimedia and web technologies. Current state: monograph. – Kharkiv: "Madrid Printing House" LLC, 2023. – pp. 215-232. (1.5 author's sheets).
4. Deineko, Zh. V., Nikitenko, O. M., & Zelenyi, O. P. "Application of the LATEX publishing system for creating educational publications with animated objects." // Printing, multimedia and web technologies. Innovations: monograph. – Kharkiv: "Madrid Printing House" LLC, 2022. – pp. 270-294. (2 author's sheets).

### **Participation in Scientific Conferences:**

1. Deineko, Zh. V., & Medvedieva, H. M. (2025). "ICONS, COLORS, AND PROGRESS BARS: VISUAL ELEMENTS OF GAMIFICATION AS MOTIVATORS." Printing, multimedia and web technologies: abstracts, p. 138.
2. Turuta, O. P., Deineko, Zh. V., & Michurin, I. Ye. (2024). "Using the DALL-E model to create a software system based on artificial intelligence for the GMAIL client." In: Printing, multimedia and web technologies: abstracts of the 9th International scientific-technical conference, May 14-18, 2024 (Vol. 1, pp. 95-96). Kharkiv: "Madrid Printing House" LLC.
3. Deineko, Zh. V., & Mendelieva, M. V. (2024). "Methodology for testing site interfaces based on functional and usability testing." In: Printing, multimedia and web technologies: abstracts of the 9th International scientific-technical conference, May 14-18, 2024 (Vol. 1, pp. 187-188). Kharkiv: "Madrid Printing House" LLC.
4. Deineko, Zh. V., & Yarmish, A. I. (2024). "The use of animation in mobile applications." In: Printing, multimedia and web technologies: abstracts of the 9th International scientific-technical conference, May 14-18, 2024 (Vol. 1, pp. 191-192). Kharkiv: "Madrid Printing House" LLC.
5. Syrova G., Chalenko N., Kozub S., Deineko Z., Kozub P., Novikova I. (2024). "Some examples of the use of interdisciplinary connections in teaching bioorganic chemistry to future doctors." In: The 9th International scientific and practical conference "European congress of scientific achievements" (September 9-11, 2024) (pp. 62-69). Barcelona, Spain: Barca Academy Publishing.
6. Deineko, Zh. V., & Mendelieva, M. V. (2024). "Methodology for testing virtual 3D tours and interactive product recommendation quizzes based on functional and usability testing." In: Printing, multimedia and web technologies: materials of the Youth school-seminar of the 9th International scientific-technical conference, May 14-18, 2024 (Vol. 2, pp. 153-155). Kharkiv: "Madrid Printing House" LLC.
7. Khlamov, S., Savanevych, V., Trunova, T., Deineko, Zh., Vovk, O., & Gerasimenko, R. "Automated Data Mining of the Reference Stars From Astronomical CCD Frames." In: COLINS (2), pp. 83-97.
8. Tyra, M. A., & Deineko, Zh. V. (2022). "Comparative analysis of online platforms for the digitalization of board games." In: Scientific research in the modern world. Proceedings of the 1st International scientific and practical conference (pp. 338-344). Toronto, Canada: Perfect Publishing.
9. Samoilov, A. V., & Deineko, Zh. V. (2022). "Features of using chatbots." In: Printing, multimedia and web technologies: abstracts of the 7th International scientific-technical conference, May 17-21, 2022 (Vol. 1, pp. 78-79). Kharkiv: KNURE.



## TEACHING ACTIVITIES:

### Methodological Materials, Textbooks:

1. Deineko, Zh. V., Zelenyi, O. P., & Nikitenko, O. M. "Construction of fractals using mathematical formulas in the LaTeX publishing system." // Printing, multimedia and web technologies. Innovations and development: monograph. – Kharkiv: "Madrid Printing House" LLC, 2024. – pp. 243-256.
2. Deineko, Zh. V., Zelenyi, O. P., & Nikitenko, O. M. "Construction of fractals using mathematical formulas in the LaTeX publishing system." // Printing, multimedia and web technologies. Innovations and development: monograph. – Kharkiv: "Madrid Printing House" LLC, 2024. – pp. 243-256.
3. Vlashchenko, L. G., Deineko, Zh. V., & Nikitenko, O. M. "Using the LaTeX publishing system to create illustrations in scientific works." // Printing, multimedia and web technologies. Current state: monograph. – Kharkiv: "Madrid Printing House" LLC, 2023. – pp. 215-232. (1.5 author's sheets).
4. Deineko, Zh. V., Nikitenko, O. M., & Zelenyi, O. P. "Application of the LATEX publishing system for creating educational publications with animated objects." // Printing, multimedia and web technologies. Innovations: monograph. – Kharkiv: "Madrid Printing House" LLC, 2022. – pp. 270-294. (2 author's sheets).

## PROFESSIONAL ACHIEVEMENTS AND AWARDS:

### Distinctions, Awards, Prizes:

1. Certificate of Honor, Kharkiv Regional State Administration (2017).
2. Certificates of Honor, Kharkiv National University of Radio Electronics (awarded for long-term dedication to the training and education of students).

### Membership in Professional Associations:

Junior Academy of Sciences of Ukraine (MANU):

- Head of the Jury (since 2019) for the "Internet-technologies and web-design" section of the All-Ukrainian Competition-Defense of Scientific Research Papers.
- Jury Member (since 2016) for the MANU student research competition.