

**Application form for research topics
in the field of the arts
for candidates to the Doctoral School
in the academic year 2023/2024**

Proposed subject matter of a doctorate
Developing and expanding design capabilities in the field of publication construction in context of studying structures, applications and solutions of using alternative materials.
Scientific discipline (<i>delete as appropriate</i>)
FINE ARTS AND ART CONSERVATION
Proposed doctoral thesis supervisor
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Brief description of the research topics with an indication of the scientific issues (max. 350 words)
<p>Properly selected technology and material are not only aesthetically significant, but also affect economic factors and raise the extremely important ecological aspect. The variety, programmability and, at the same time, unpredictability of paper material structures lead to many design threads, which is due to the designer's imagination and activity. The principles of mathematics and geometry give many possibilities in cutting, folding and bending depending on the maker's plan and the characteristics of the material. The technological factor comes down to knowledge, experimentation and choice. Mechanics, technology or electronics can be used to animate the movement of paper constructions, or the construction products can be applied to new materials and technological solutions. Paper becomes the starting point for the designer.</p> <p>Each artist dealing with paper will find a different theme, moment or place of stopping the design or creative process. This may lead to further research on matter, its possibilities, joining or destruction. The designer thinks about the material, construction, color, graphics, typography, and each of these components can be a reason to start designing. Experimental research on the structure of paper and paper engineering are the main issue here to create innovative construction solutions for publications,</p>

both in terms of binding, construction of cards/pages, as well as the typographic and illustrative layer of the work. Sometimes the essence of the project is the maximum limitation of construction means, connections, and sometimes the possibility of adapting the resulting products to a different scale, material and method of use.

Justification of the purposefulness of taking up the research topics (max. 150 words)

The research project is based on specific technical solutions and methodology for the construction of three-dimensional publications with mechanical elements. An experimental approach may provoke tests of material strength, visual attractiveness, application of various visual treatments on the created structures, which can be created on a different scale, and thus can be applied in various solutions, even industrial ones.

The transition from a paper construction to a design project may result in a different way of perceiving a text, image, object or space and the way of understanding scale.

Proposed topics of doctoral theses within the proposed research subject matter (up to 3 topics)

1. The impact of technology on developing and expanding design opportunities in the field of publication design.
2. Structures and constructions made of paper or alternative materials as elements of a unique publication
3. Application of the idea of paper constructions in industrial production solutions.

Topics can also be freely formed during the discussion with the doctoral student.

The sources of financing of the research topics (the subject matter of currently implemented research grants financed from external sources or as part of subsidies)

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Confirmation of the possibility of ensuring access to scientific apparatus and artistic studios, workshops and software necessary for the realization of the proposed research topics (*delete as appropriate*)

FULLY/ ~~PARTIALLY~~/ NONE

If the answer is PARTIALLY or NONE please indicate a type of missing scientific apparatus and/or software and the sources of financing an access to them

Equipment that may be constructed or required during the development of a research project.

A list of up to 5 major supervisor's publications related to the proposed research topics, published in journals indexed in the Web of Science or Scopus and/or authorship of publication / editing / or authorship of a chapter in the field of fine arts and art conservation, scientific monographs and other activities in the represented field - for the period of the last 8 years (taking into account the journal's or work's IF Impact Factor and the MNiSW score)

1. Zawierowska-Łozińska Monika Izyda: From paper construction to architecture, In: Object. Architecture. City. Design perspective., 2017, vol. I, Koszalin University of Technology, pp. 127-141, ISBN 9788373654563 (chapter in the monograph)

2. Monika Izyda Zawierowska-Łozińska (WAIW/KGP): "Paper. Stone. Knife", Individual Exhibition 2020, retrospective part of constructions and paper and 3D illustration forms and the premiere of experiments with decorated ceramic forms / Gallery of the Association of Polish Artists and Designers, branch in Gdańsk, ul. Piwna, 2020 (art work)
3. Monika Izyda Zawierowska-Łozińska (WAIW/KGP): MATERIA / Matter - development of graphic presentation materials for the works at the exhibition, poster, graphic forms for digital media in website and social media formats, 2022 (art work)
4. Monika Izyda Zawierowska-Łozińska (WAIW/KGP): MATERIA - materialnie / „Matter - materially", presentation of the 2023 exhibition catalog (art work)

A list of research grants financed by the National Centre for Culture, the Ministry of Culture and National Heritage of the Republic of Poland, the National Science Centre, the National Centre of Research and Development and the European Research Council in which the supervisor has participated during the last 5 years

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A list of research services carried out for industry and related to the proposed research topics for the period of the last 8 years and/or creative achievements and scientific and research projects, design or artistic achievements in the field of fine arts and art conservation (individual exhibitions, original art works, works in the field of design arts, participation in collective exhibitions in renowned galleries, awards and prizes in competitions, implementations and patents, participation in the jury of a competition or a festival, acting as an exhibition curator

1. 2014 - Head of the scientific and research project "Small bindery - the impact of technology on the development and expansion of design possibilities in the field of publication design, typography, testing structures and paper constructions"
2. 2015 - Chapter in the multi-author scientific monograph, Languages of Design. Paradigms of Design Spaces, "Paper Strategy", ed. dr Iwona Mikołajczyk, ISBN 978-83-7365-379-5
3. 2015 - Review of the monograph of the Academy of Fine Arts in Gdańsk, Maciej Dojlitko, 2015 Theory of deconstruction of the visual message_Maciej Dojlitko_ISBN 978-83-62759-81-1
4. 2016 - Review of the monograph - Laboratory of Visualization Techniques - Didactics and propaedeutics of teaching design presentation techniques based on individual student works 2003-2013 "ASP Gdańsk 2016
5. 2016- Subject - Architecture - City. Participation and award in the Photographic Competition and Exhibition, Post-competition group exhibition: Kultura Station, Public Library in Rumia, Poland
6. 2017 - Head of the national research project "Research into the possibilities of simplifying and modernizing the visual message built on the basis of old coats of arms with heroic or proprietary symbolism" - product application 2017-2018 - logotype for the Association of Heritage and Memory in Szczecin and application on products
7. 2018 - NIGHT OF MUSEUMS 2018 - Festival of Design - bookbinding workshops with elements of decoration - BAROQUE INDEX, Koszalin University of Technology
8. 2018 - Bookbinding Workshops for young people learning the profession of a technician from Drzewniak in Słupsk. November 16, Koszalin University of Technology
9. 2023 - "TODAY IS YOUR BIRTHDAY" greeting card - 3D paper construction technique workshops for high school students from the School Complex No. 9 im. Gen. Traugutt in Koszalin

Publications and exhibitions directly related to the subject of paper engineering /mechanics/experiment;

1. 2012 - Individual Exhibition Master and M... 2D, 3D and the Magic of Movement - exhibition of paper forms and constructions, Museum of Technology and Communication in Szczecin
2. 2014 - Solo Exhibition "Strategy of Paper", Gallery of Lycee La Tourette, Toulon, France
3. 2014 - Project "International Idioms" and "Structure of the Book", Kedge Design School, Toulon, France
4. 2014 - International Scientific and Design Conference "Design in terms of cultural practices and theoretical paradigms of the 20th and 21st centuries. IvanoFrankivsk, Ukraine - Lecture "Paper Strategy"
5. 2014 - VII International Scientific Conference "Topical Problems about World Artistic Culture. In Memory of Professor I.D. Rozenfeld – lecture "Thinking Paper. Thinking Paper. Unusual and typical uses of paper in the creative process.
6. 2015 - "Paper. Stone. Knife", Individual Exhibition 2020, retrospective part of constructions and paper and 3D illustration forms and the premiere of experiments with decorated ceramic forms / Gallery of the Association of Polish Artists and Designers in Gdańsk, ul. Piwna, 2020 (art work)
7. 2020 - "Paper. Stone. Knife", Individual Exhibition 2020, Retrospective part of Constructions and paper and 3D illustration forms and the premiere of experiments with decorated ceramic forms / Gallery of the Association of Polish Artists and Designers, branch in Gdańsk, ul. Beer
8. 2022 - Materia/ Matter - Exhibition of works by lecturers of the Faculty of Architecture and Design of the Koszalin University of Technology, Presented work: A book never written, A ceramic object with typographic and illustration compositions. Amphitheater Koszalin Gallery, March-April 2022
9. 2023 - „Materia - materialnie/ Matter - materially", presentation of the exhibition catalog project - experimental leporello form, one-sided printed, Galeria Amfiteatr Koszalin / Amphitheater Koszalin Gallery, April 2023