



**Nomination Template for
Commission Chair Elect 2025-2026
(for the positions of Chair of Commission for the term 2027-2030)**

Commission no. 9	
Nominee	
Name	Małgorzata Renigier-Biłozor
Country	Poland
Contact Address	Current Position: <i>Professor, University of Warmia and Mazury (UWM)</i> Address: ul. Prawocheńskiego 15, 10-720 Olsztyn Phone: +48 531 678 987
E-mail address	malgorzata.renigier@uwm.edu.pl
Age	47
Degrees and educational background	<ul style="list-style-type: none">➤ Master of Engineering (M.Eng.) in Geodesy and Cartography <i>University of Warmia and Mazury, Faculty of Geodesy and Spatial Economy</i> Year: 2001 <i>Thesis: "Management of municipal property resources: A case study of Olsztynek Municipality."</i>➤ PhD in Technical Sciences (Geodesy and Cartography) <i>University of Warmia and Mazury, Faculty of Geodesy and Spatial Economy</i> Year: 2004 <i>Dissertation: "Application of residual analysis from statistical models in real estate management."</i>➤ Habilitated Doctor (dr hab.) in Technical Sciences (Geodesy and Cartography) <i>University of Warmia and Mazury, Faculty of Geodesy, Spatial Engineering, and Construction</i> Year: 2017 <i>Dissertation: "Development of decision support systems in real estate management using geodetic and cartographic information."</i>➤ Full Professor in the discipline of socio-economic geography and land management



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	<p><i>University of Warmia and Mazury, Faculty of Geoengineering</i></p> <p>Year: 2024 In the progress-finish procedure, the end of October 2024</p>
<p>Employment history</p> <ul style="list-style-type: none"> - current position - previous 	<p>Current Position:</p> <ul style="list-style-type: none"> • Professor of <i>University of Warmia and Mazury (UWM)</i> <i>Institute of Spatial Management and Geography</i> <i>Department of Real Estate and Urban Studies</i> <i>Period: 2023 – Present</i> In this role, I lead research and teach courses in real estate decision making systems, focusing on spatial analysis, AI integration, and modern valuation methods. I also supervise PhD students and coordinate interdisciplinary research projects. In addition, I am the supervisor of one of the largest student scientific associations at the university, the European Geography Association (EGEA) for students and young geographers, which focuses on international cooperation. <p>Previous Positions:</p> <ul style="list-style-type: none"> • Director of the Institute of Spatial Economy and Geography <i>University of Warmia and Mazury</i> <i>Period: 2020 – 2022</i> Managed the overall operations of the Institute, coordinated large-scale research initiatives, and fostered international collaborations in geospatial analysis, property taxation, and AI-based real estate valuation. • Vice Director of the Institute of Spatial Economy and Geography <i>University of Warmia and Mazury</i> <i>Period: 2018 – 2020</i> Supported the Director by overseeing academic programs, developing international research networks, and leading grant-funded projects, particularly focused on mass appraisal and sustainable property taxation systems. • Associate Professor <i>Department of Real Estate and Regional</i>



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	<p><i>Development, UWM</i> <i>Period: 2017 – 2020</i></p> <p>During this period, I focused on developing innovative research in property valuation systems, contributing to international conferences, and publishing in top-tier journals.</p> <ul style="list-style-type: none"> • Assistant Professor <i>University of Warmia and Mazury</i> <i>Period: 2005 – 2017</i> <p>Led research and teaching activities in real estate management, focusing on valuation, mass appraisal, and decision support systems. During this time, I initiated collaborations with several international institutions, significantly contributing to the academic and practical advancement of property valuation systems.</p> <ul style="list-style-type: none"> • Lecturer <i>Kujawsko-Pomorska School in Bydgoszcz, Faculty of Technical Sciences</i> <i>Period: 2007 – 2012</i> <p>Taught courses in geodesy and real estate management, while also contributing to curriculum development and research projects.</p>
<p>Positions of trust</p> <ul style="list-style-type: none"> - current - previous 	<p>Current:</p> <ul style="list-style-type: none"> • Head of Statutory Research Topic at Department of Real Estate and Urban Studies, Faculty of Geoinengineering, University of Warmia and Mazury in Olsztyn, ent.: Analysis and modelling of spatial processes and real estate markets under socio-economic and technological challenges (since 2023). • Leader of the research project funded by the National Science Centre (NCN), focused on developing fair property taxation procedures and consensus-driven roadmaps to support the transformation of property taxation systems ent.: Methodology of consensus oriented roadmaps development for property tax transition (2024-2027). <p>Other Notable Positions of Trust:</p> <ul style="list-style-type: none"> • Leader of Numerous International Research Collaborations: Acted as the head of large-scale



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	<p>research projects, funded by prestigious institutions such as the National Science Centre (NCN), European Space Agency (ESA), and the International Association of Assessing Officers (IAAO). These projects focused on developing automated valuation models (AVMs), property taxation reforms, and transparency in real estate markets.</p> <p>Principal Investigator in multiple research projects, particularly in the fields of property taxation and AI-based valuation systems, including my leadership in the development of consensus-based roadmaps for property taxation system reforms</p> <ul style="list-style-type: none"> • Previous: Director of the Institute of Spatial Economy and Geography at the University of Warmia and Mazury (UWM) (2020–2022): In this role, I oversaw strategic decision-making, project coordination, and international research collaborations focused on real estate management, valuation systems, and the integration of advanced technologies like AI and cognitive science in decision support systems. • Chair of the Scientific Council for the Discipline of Socio-Economic Geography and Spatial Economy (2020–2022): Led academic and research discussions, ensuring quality and innovation in the research conducted within the discipline. • Vice Director of the Institute of Spatial Economy and Geography at UWM (2018–2020): During this period, I supported the Director in managing the institute, spearheading research initiatives, and facilitating collaborations with international partners.
<p>Positions in FIG</p> <ul style="list-style-type: none"> - current - previous 	<p>Current:</p> <p>Active participant and contributor in FIG-related international seminars, including coordinating the International Seminar on Mass Appraisal and Taxation in Cyprus (2024, 2025).</p> <p>Active participant in FIG-related online seminars and workshops, especially in mass appraisal and taxation systems, and integrating modern technologies like AI and cognitive science into valuation methodologies.</p> <p>Previous:</p>



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	<ul style="list-style-type: none"> • Member of the FIG working group on "Artificial Intelligence- use and benefits in Real Estate Valuation and Management" contributing to guidelines for integrating AI-driven systems in property valuation and management, aiming to increase market transparency and efficiency • Presenter at FIG’s annual Working Week sessions, where I discussed the challenges and opportunities presented by new technologies and approaches for real estate valuation and management, including mass appraisal and Automated Valuation Models (AVMs), and their role in transforming global real estate markets.
Other activities in FIG	<p>Engaged in several FIG initiatives, contributing to research and discussions around mass appraisal, taxation, and the use of AI in property valuation. Coordinated seminars and conferences focused on innovation in real estate valuation and taxation systems.</p> <p>Coordinated and presenter at global conferences under FIG’s umbrella, focusing on property valuation, taxation systems, and the application of advanced technologies such as AI and cognitive science-based solutions.</p> <p>Engaged in collaborative efforts with global FIG members to improve cross-border valuation standards and promote equity in property taxation systems.</p>
Field of surveying discipline	<p>Field of Surveying Discipline section of your FIG Commission 9:</p> <p>Real Estate Valuation, Land Management, Socio-economic Geography and Spatial Economy, with a focus on mass appraisal systems, property taxation, and the application of advanced technologies and decision-support systems in real estate world.</p>
Nominees Statement:	
Why I want to be a Commission Chair and what I would like to achieve	<p>As a passionate advocate for innovation in property valuation and taxation, I am driven to lead FIG Commission 9 toward implementing forward-thinking changes within the global real estate sector. The main focus should be to drive the idea of transparency in real estate markets into the future and implement collaboration on this topic with the FIG-other Commissions. The goal should be the</p>



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	<p>integration of real estate price information into the geodata-environment to improve the UN SDG- Goals.</p> <p>Additionally, I see it as both a challenge and an opportunity to strengthen cooperation between key organizations such as FIG, IVSC, RICS, TEGOVA, and IAAO. My existing fruitful collaborations with these bodies have convinced me that increased synergy among these institutions will open up new avenues for achieving greater objectives and advancing the profession.</p> <p>One of my primary goals will be to leverage FIG’s diverse network of professionals and disciplines to enhance collaboration across various fields.</p>
<p>What I can offer to FIG in support of the aims and objectives of the Commission</p>	<p>With over two decades of experience in academia, particularly focusing on the real estate market and integrating the most advanced approaches and technologies based on cognitive science into decision-making systems, I have developed a deep understanding of the complexities surrounding property valuation and land management.</p> <p>I bring to FIG a wealth of experience in international research collaborations, project management, and organizational leadership. As the Director of the Institute of Spatial Economy and Geography at the University of Warmia and Mazury, I have successfully coordinated numerous large-scale research projects funded by prominent scientific and business institutions. My focus on innovative approaches, including technologies based on cognitive science, will align with FIG’s objectives by promoting innovation and ensuring the adoption of cutting-edge, data-driven methods in property valuation systems worldwide. Additionally, my deep commitment to equity in property taxation, demonstrated through my extensive research, will support FIG’s mission to create fairer and more transparent real estate markets. As Commission Chair, I aim to promote transparent, equitable, and efficient property valuation systems and real estate management practices that adapt to today’s evolving demands.</p>



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	<p>I am committed to fostering multidisciplinary partnerships that will enable the real estate sector to reach new heights, embracing innovation while addressing the rapidly changing dynamics of the market, especially in the context of emerging technologies and shifting societal needs. Together, we can meet the challenges of the new era in property valuation and real estate management, from both a technological perspective and a focus on the evolving needs of clients and market participants.</p>
<p>My key skills</p>	<ol style="list-style-type: none"> 1. Expertise in Mass Appraisal and Cognitive Science-based Technologies: I like to be at the forefront of integrating cognitive science methodologies and cutting-edge technologies into spatial management, particularly in the fields of real estate market analysis and property valuation. My contributions have advanced transparent and efficient decision support systems, which are critical for improving property valuation processes globally. 2. Leadership in International Research: I have a strong track record of leading interdisciplinary and cross-border research teams, bridging the gap between academia and business. My land management and property valuation research leadership has led to successful collaborations with leading institutions and private enterprises. These partnerships have fostered innovation and practical applications in the real estate sector. 3. Project Management: I like managing long-term, complex research projects funded by prestigious institutions. I want to share my expertise with i.e. the National Science Centre (NCN), the European Space Agency (ESA), and the International Association of Assessing Officers (IAAO) in FIG Commissions. My expertise in project management ensures the successful execution of initiatives and innovations that align with the objectives of Commission 9. 4. Global Perspective and International Experience: My involvement in organizing and participating in prestigious international conferences and seminars has cemented my role as a key figure in the global



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	<p>valuation community. Additionally, I bring a wealth of experience from numerous international research stays and study visits in countries such as the UK, Ireland, Turkey, the Netherlands, Spain, Italy, Lithuania, and the USA. These experiences have enriched my global perspective and contributed to my ability to address complex issues in real estate valuation and management on an international scale.</p> <p>As a leader in the field of real estate valuation and land management, I have successfully directed numerous high-impact research projects and collaborations. My leadership roles, both as a principal investigator and project manager, have resulted in innovative contributions to property valuation systems globally. Below are some of the key achievements under my direction:</p> <ol style="list-style-type: none">1. Research Project Leader (2004-2006): I directed the development and implementation of a municipal property management system, a comprehensive solution to improve the efficiency of municipal property use and management (Project No. 4T12EO3627).2. Principal Investigator (2010-2012): I led the design of a decision-making system utilizing rough set theory for the real estate market. This project introduced innovative approaches to real estate valuation, particularly in data-deficient environments, significantly improving decision-support mechanisms (Project No. N N114 186138).3. Principal Investigator (2012): I spearheaded a university project aimed at the development of a decision support system structure for the real estate market. This project focused on advancing the tools available for young researchers to enhance decision-making processes in property markets (Project No. 528-03-03-0881).4. Project Leader (2015-2017): I led a groundbreaking research project that
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	<p>developed a methodology for rating real estate markets. This work has been instrumental in refining property valuation methods by incorporating a systematic and transparent rating framework, contributing to more accurate market assessments (Project No. UMO-2014/13/B/HS4/00171).</p> <p>5. Lead Investigator, European Research Project (2018): As the primary investigator, I directed the "SHOW - Senior Helps Others Wisely" project, funded by the European Space Agency. This project explored innovative solutions for ageing populations, utilizing advanced geospatial and decision-support systems to enhance social inclusion and mobility for seniors (ESA Contract No. 4000122016/17/UK/ND).</p> <p>6. Project Leader, European Research Project (2020-2021): I managed the "Service of Utility Risk/Cost Evaluation (SoURCE)" project, a cutting-edge initiative funded by the European Space Agency. This project developed a mobile application for evaluating infrastructure risk and cost, integrating satellite imagery and augmented reality technologies (ESA Contract No. 4000130203/20/UK/ND).</p> <p>7. Principal Investigator, NCN Research Project (2020-2023): I led the research on hybrid AI systems for Automated Valuation Models (AVMs) to improve property valuation on limited markets. This project pushed the boundaries of AI application in real estate, providing innovative solutions for valuation in data-scarce environments (Project No. UMO-2019/33/B/HS4/00072).</p> <p>8. Key Researcher, IAAO Research Project (2023-2024): I contributed as a lead researcher in developing an original methodology for determining homogeneous areas to improve the fairness and equity of property taxation systems. This project was funded by the Rich</p>
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	<p>Almy Research Grant from the International Association of Assessing Officers (IAAO).</p> <p>9. Principal Investigator, NCN Research Project (2024-2027):</p> <p>Currently, I am leading a project to develop consensus-driven roadmaps to support the transformation of property taxation systems. This project is focused on creating socially accepted, transparent, and effective taxation procedures (Project No. 2023/49/B/HS4/00701).</p> <p>UWM Statutory Projects</p> <ul style="list-style-type: none">• Project Leader for the statutory research topic: "Analysis and models supporting decision-making in the real estate market," Faculty of Geoinengineering, University of Warmia and Mazury, Project No. 29.610.010-300, from 2020 to 2023.• Project Leader for the statutory research topic: "Analysis and modeling of spatial processes and real estate markets under socio-economic and technological challenges," Faculty of Geoinengineering, University of Warmia and Mazury, Project No. 29.610.010-300, from 2023. <p>Information on Participation in International Research Teams</p> <ol style="list-style-type: none">1. United Kingdom, Oxford Brookes University (2006-2007): Collected data on real estate transactions and valuation methods in collaboration with Prof. Peter Dent.2. Delft, Netherlands (2006-2008): Participated in multiple seminars, leading to the co-authorship of the monograph <i>"Mass Appraisal Methods. An international perspective for property valuers"</i> (Blackwell Publishing, 2008).3. EU7fw International Consortium (2007-2008): Collaborated on the grant proposal for the development of tools to assess socio-economic development trajectories using real estate market modelling with partners from Norway, Lithuania, the UK, Belgium, Germany, Italy, and the USA.
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	<ol style="list-style-type: none"> 4. Italy, Technical University Politecnico di Bari (2015-2016): Led student exchange programs and coordinated research on real estate market rating methodology with Prof. Maurizio d’Amato. 5. United Kingdom, Oxford Brookes University (2013-2017): Co-authored the monograph <i>“Beyond Price – Value in a Changing Built Environment”</i> (Wiley-Blackwell Publishing, 2017). 6. Italy and UK (from 2022): Established a collaboration with Technical University Politecnico di Bari and Proper Technologies LTD to apply Automated Valuation Models (AVMs) in the UK real estate market. 7. United Kingdom, Lincoln Institute of Land Policy (from 2022): Participated in research on the development and modernization of property tax systems in Europe. 8. Vietnam, Tay Bac University (from 2023): Coordinating an academic exchange and research collaboration agreement. 9. Germany, FIG Commission 9 (from 2023): Appointed as a member of FIG’s working group focused on developing guidelines for mass property valuation using AI-based AVMs, intending to increase market transparency.
Any other general comments	<p>The field of property valuation is undergoing significant transformations. As Commission Chair, I will prioritize fostering global collaborations and collaborations withing the FIG Commissions, advancing methodologies and technologies based on cognitive science, and ensuring that property valuation, geodetic skills with managing big data and land management remain at the forefront of technological and societal progress. I am committed to fostering innovation, inclusivity, and socially responsible practices that will enhance real estate markets and contribute to community well-being on a global scale.</p> <p>I have always been able to harmoniously integrate three crucial aspects: scientific research, the practical application of research findings, and administrative responsibilities. My ability to combine academic work with practical research is reflected in numerous high-impact projects, where I have successfully applied innovative theories to address real-</p>



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	<p>world challenges in property valuation and land management. This approach not only advances the scientific community but also brings tangible benefits to the industry.</p> <p>Throughout my career, I have held significant administrative roles, including serving as Director of the Institute of Spatial Economy and Geography at UWM. Additionally, I bring a wealth of international experience from research stays and study visits in countries such as the UK, Ireland, Turkey, the Netherlands, Spain, Italy, Lithuania, and the USA. I have been an active participant in international research teams and conference organization, contributing to the advancement of global property valuation practices.</p> <p>With over 100 peer-reviewed publications and numerous awards for my scientific and organizational achievements, I am deeply committed to driving innovation and excellence in the real estate sector. My work continues to bridge the gap between theory and practice, ensuring that the outcomes of my research positively influence both academic discourse and practical applications.</p> <p>Information on Implemented Technologies</p> <ol style="list-style-type: none">1. Implementation of a Property Resource Management System in Gliniojeck Municipality, 2008.2. Implementation of a decision-making algorithm for real estate investments, commissioned by a construction and development company in Olsztyn, as part of the "Knowledge Transfer" project co-financed by the European Union (European Social Fund), 15.03-15.06.2012.3. Development of a real estate database supplementation system using rough set theory for IDEA Krzysztof Ogiński as part of the "Regional Knowledge Transfer" project, 01.09-30.11.2014.4. Development of the "Senior Helps Others Wisely" (SHOW) app, a sensor-based application using European GNSS, aimed at reducing social exclusion among seniors, in collaboration with Mesh Metrics and I-NET SA, funded by the European Space Agency, 01.2018-06.2018.
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	<p>5. Development of the “Service of Utility Risk/Cost Evaluation” (SoURCE), a mobile app for evaluating infrastructure risks and costs for undeveloped properties, in collaboration with OPBM and Adamiczka Consulting, funded by the European Space Agency, 2020.</p> <p>6. Implementation of a real estate market rating methodology for data-deficient markets, in collaboration with Tyler Technologies, Inc., USA, 02.2019.</p> <p>7. Implementation of automated valuation systems based on rough set theory for real estate market analysis, in collaboration with ProperT Technologies Ltd., London, 01.2021.</p>
Nominator	
Name of member Association	Association of Polish Surveyors (SGP)
Name and title of contact person	Prof. Janusz Walo President of SGP
Contact address	ul. Czackiego 3/5, p.416, 00-043 Warszawa
Email address	biuro@sgp.geodezja.org.pl
Nominator’s statement	
Why the association wants to nominate a Nominee	Our association has significantly increased its activity in FIG in recent years. We organized the Congress in 2022 and actively participated in many activities of several FIG commissions. Our activity has been noticed, and the FIG community will entrust our representative to lead the proposed commission. We are convinced that our candidate has the appropriate qualifications and experience.
Support the Association can offer the Nominee (financial and other)	As part of our support, we will guarantee the Nominee partial support for expenses related to delegations to stationary FIG ACCO meetings and coverage of the conference fee for FIG Working Week meetings. The candidate declared the possibility of mobility support from



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	the university where she works. The association will provide organizational support to the Nominee.
Any other comments	-
Signed I hereby certify that the above is true and correct	
Date	November 21, 2024
Nominee	<i>Maïgonde Renjiin-Biᠲoᠳᠤᠨᠠ</i>
Nominator	<i>Jawn Nalo</i>