

Justyna Borucka

CV and a list of publications

▪ Research experience

Dr. Justyna Borucka has a strong background in the field of **architecture and urban planning**. During the years 1994-1999, she studied architecture and urban planning at Gdansk University of Technology (GUT). During her studies she received the **dean's scholarship**, which is awarded to the best students in the Faculty of Architecture (around 10% of the students). She performed her MSc thesis under the supervision of Dr. Bazyli Domsta, and got her MSc degree in Architecture from GUT in June 1999 **as the first one among the students**. In the same year, she obtained the scholarship for young researchers from **DAAD** (German Academic Exchange Service), reserved to the best young scholars in the whole Poland and undertook her postgraduate studies at the University of Applied Sciences and Art in Hildesheim, Germany.

Her adventure with interdisciplinary thinking about architecture begun, when she went abroad and prepared her **second Diploma in Architecture** from HAWK in Hildesheim, Germany. The subject of the thesis was inspired by individual interest of the scholar and the diploma has been devoted to transforming, a piece of music into a piece of architecture. This work was directly related to previous musical education of Ms Borucka. That education in music was essential also for solving the problems of PhD her dissertation. Since the beginning of her studies, Justyna Borucka was determined to combine her knowledge of architecture with art, and music in particular, and their applications to urban planning. It became possible, when she started her PhD studies, in 2001 at GUT, under the supervision of Prof. Jacek Krenz. She developed this issue in her dissertation, where she undertook the problem of the two arts: music and architecture. She developed and explored the complex spatial and philosophical relationships between sounds, design and space, between harmony and structure in both disciplines. She also shared her knowledge in teaching architectural drawing and design, specifically devoted to architecture in an interdisciplinary perspective: e.g. Music and Architecture to the first-year and advanced students at GUT. She took part in numerous international research activities, in particularly, interdisciplinary Summer Academy -Sommerakademie Kreisau, for which she received a scholarship from German National Study Foundation (Studienstiftung des Deutschen Volkes). This training in interdisciplinary environment allowed the applicant to get familiar with problems of connection between art and architecture. That inspired her to consult her research with a specialist in the field: Prof. Dr V. Scherliess (HS fuer Musik Koeln), Germany, Prof.Dr. K. Meyer (HS fuer Musik, Koeln), Germany, Dr. D. Gwizdalanka.

In July 2007 Ms Borucka defended her PhD thesis: "**Musical Inspiration in Contemporary Architecture**" and obtained PhD in Architecture **degree with honours**. This thesis has been performed in the framework of a grant from the State Committee for Scientific Research. In this way she became **one of the youngest PhD in her Faculty and the only female researcher with PhD in her department**. The results of the scientific work have been presented by the applicant on several conferences and meetings, among others, at the International Conference *I Luogji e La Musica* in L'Aquila in Italy 2008. As the subject of her research concerned the topic of interdisciplinary approach to architectural design, she also collaborated with the artist and musicians in the framework of international project such as *Art and Science Meeting, Sensing the City, Art and*

Architecture. During her research work she participated in numerous activities as workshops, lectures and research visit in the partner institutions. Notably Ms Borucka participated in the URBAN INNOVATIONS NETWORK - CEEPUS, and was a coordinator and co-author of 3 years long project Sensing the City – Designing Urban Experience. The results of her scientific work have been presented by the applicant at several conferences and meetings (see CV).

In June 2013 Dr Borucka won for the second time, a competition for an adjunct position (equivalent to **assistant professor**) in the Dep. of Housing Architecture at the GUT. This position combines research work and 240 hours of teaching per year for students of all levels in the various fields of architectural design, architectural drawing.

CURRICULUM VITAE

JUSTYNA BORUCKA

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e-Mail	jborucka@pg.gda.pl
Date of Birth	07/10/1975
Birthplace	Gdansk
Nationality	Polish
Marital Status	Single

EDUCATION & QUALIFICATION:

04/07/2007	PhD degree in Architecture / with honours from Faculty of Architecture/ GUT
1/10/2001 - 30/06/2006	Doctoral Program in Architecture and Civil Engineering/ Faculty of Architecture/ GUT
04/07/2001	Dipl. Ing. (FH) degree from University of Applied Sciences and Art Hildesheim-Holzminden-Goettingen/Germany /Grade - very good/
25/09/2000 - 4/07/2001	Postgraduate Studies / Faculty of Architecture University of Applied Sciences and Art Hildesheim-Holzminden-Goettingen/ Germany
15/07/2000 - 5/10/2000	Postgraduate Studies / Scholarship DAAD Project „City“/ International Women's University/ Gesamte Hochschule Kassel/ Germany
20/09/1999 - 7/07/2000	Postgraduate Studies / Scholarship DAAD Faculty of Architecture /Specialisation Ecological Buildings/University of Applied Sciences and Art Hildesheim-Holzminden-Goettingen/ Germany

23/06/1999 **MSc degree in Architecture** from Gdansk University of Technology
/Grade - very good/

1/10/1994 - 23/06/1999 MSc Studies Faculty of Architecture / GUT

WORK EXPERIENCE:

1/10/2009 – Present **Professor Assistant** (adjunct) Faculty of Architecture, Dep. of Housing
Architecture, GUT, Research and supervision of students to achieve
academic excellence.

1/10/2008 - 30/09/2009 **Assistant** Faculty of Architecture, Dep. of Housing Architecture, GUT,
Research and teaching

2003 – Present Faculty of Architecture Dean's Representative for Departmental
International cooperation and Erasmus Programme Coordinator and
tutor

SCHOLARSHIPS AND AWARDS:

1999-2000: Graduate scholarship for study and research in Germany, grant from German
Academic Exchange Service **DAAD**, FH Hildesheim

2000: Graduate scholarship for study and research in Germany, grant from German
Academic Exchange Service **DAAD**, IFU Kassel

2002, 2004: Scholarships for Interdisciplinary summer seminars Kreisau 2002,2004, grant from
Studienstiftung des deutschen Volkes,

2003: Research Grant at the Bauhaus University Weimar/ Germany, grant from **KBN** and
DAAD

2005-2007: 'Musical Inspiration in Contemporary Architecture', grant from the **State Committee
for Scientific Research**,

2007: Academic degree: Ph.D. from Gdansk University of Technology –

PhD in Architecture with honours,

2009,2010,2011,2012,2013: **Rector's Awards**

2009: Pomeranian Chamber of Architects Award
for the supervising of Master Diploma

2009-2012: EU grant for the implementation of LLP Erasmus Intensive Programme

2014: Pomeranian Chamber of Urbanists (TUP) Award
for the supervising of Master Diploma

2014: 1st prize in the Architectural National Competition for Urban Development
of Housing

Scientific scholarships at the: University of Reykjavik (2011), Slovak University of Technology, Bratislava (2012), Vienna University of Technology (2013);

TEACHING:

Architectural Drawing and graphics, Architectural Design, Elective Courses: Architecture in an interdisciplinary perspective: e.g. Music and Architecture, Light City Sound, Sound Space

Selected lectures and workshops:

University of Kassel(Germany), Hafen City University Hamburg (Germany), HAWK Hildeshiem, (Germany), Universidad da Evora (Portugal), Universidad de Alcalá de Henares (Spain), Gazi University Ankara (Turkey), Hafen City University Hamburg (Germany), University of L'Aquila, (Italy),

- Visiting professor for the programme URBAN INNOVATIONS NETWORK - CEEPUS. Slovak University of Technology, Bratislava 2012 and Vienna 2013
- Visiting professor for the programme EWTA 2009, 2010, 2011 Ayvalik, Turkey
- Visiting professor for the programme WIRE Art and Architecture IP Ankara 2013, 2014, Turkey
- Visiting professor for the programme EWUQ Port 2012, 2013, 2014 Izmir, Turkey
- Visiting professor for the programme Structures in Building Culture within: IP 2012 Cyganek/Zelichowo, Poland, IP 2013 Barcelona, Spain, IP 2014 Touss, Lichtensten
- Invited critic for the research projects presentations at the Faculty of Architecture, TU Eindhoven, The Netherlands, 2012
- Invited critic for the research projects presentations at the Faculty of Architecture, Universitaet Karlsruhe, Germany 2008 and 2010, 2011
- Invited critic for the research projects presentations at the Faculty of Architecture, HAWK Hildesheim, Germany 2010, 2012, 2014
- Coordinator of the series of International workshops within the programme Sensing the City IP Gdansk 2009, IP L'Aquila 2010, IP Caceres 2012;(EU grant project)

MEMBERSHIPS AND AFFILIATIONS:

Association of Polish Architects SARP - member

Inicjatywa Miasto /City Initiative Association NGO - member , leader of the project

Non Serio /Gdansk University Chamber Choir and music association - chair of the board,

Erasmus Student Network students organization/ alumna; honorary member

SKILLS:

Languages:

English, German: written: excellent, spoken: excellent
Spanish, Russian, Italian: written: fair, spoken: fair

Interests and hobby:

art: photography, music: Music School/guitar class, choir; sports: Karate/Schotokan 4kuy, diving/Specialty Diver, running, extensive travel: Austria, Belgium, Croatia, Czech Republic, Denmark, Egypt, France, Georgia, Germany, Hungary, Iceland, India, Italy, Latvia, Lichtenstein, Lithuania, Maroco, Netherlands, Portugal, Slovakia, Spain, Switzerland, Syria, Turkey, Ukraine, UK

SELECTED PUBLICATIONS:

[1] Editor and co-editor of series of books, including : Sensing the City – Designing Urban Experience, Gdańsk, 2015 Borucka J., Nyka L. (eds.): (in print). Others: Sensing the City – Designing Urban Experience II - Redefining Identity - L'Aquila after the earthquake, L'Aquila 2012) (with Continenza R.) and Sensing the City – Designing Urban Experience III- Caceres the UNESCO heritage (with Lajara. R and Bisbal.I) (in preparation)

Other:

[2] Borucka J.: *Multilayered perception of space – the impact of sound, music and art in open spaces*. [in]: Borucka J., Nyka L. (eds.): Sensing the City – Designing Urban Experience, Gdańsk 2015 (in print)

[3] Borucka J., Nyka, L., Urbanowicz K.: *Experiencing the Ocean – the Paths for Urban Development of São Pedro do Estoril (in Lisbon metropolitan area)* [in]: European Workshop Waterfront Urban Design / EWWUD 2014, Lusófona University, Lisbon, 2015, (in print)

[4] Borucka J., Urbanowicz K.: *Non-Visual Aspects of the Space Performing the Soundscape of the City* [in]: / WIRE 2014, Gazi University, Ankara, 2015, (in print)

[5] Borucka J., Szechlicka J., Urbanowicz K.: *Redifining the Space – The Impact of Art Instalation in the Public Space* [in]: WIRE 2013, Gazi University, Ankara, 2015, (in print)

[6] Borucka J.: *Sound art and architecture: New horizons for architecture and urbanism* [in]: Procedia - Social and Behavioral Sciences, Procedia - Social and Behavioral Sciences, 2015, p. 3903-3908, <http://www.sciencedirect.com/science/article/pii/S1877042815011908>

[7] Borucka J.: *Crafting Wood / Timber working – Space of Experiment in Making Architecture* (Praca z drewnem – Przestrzeń eksperymentu w tworzeniu architektury [in]: Cielatkowska R. (eds.): Konferencja Drewniana, GUT, Gdańsk 2014, p. 22-30

[8] Borucka J.: *Zuławy village - Zuławy Landscape. Lesson scenario. (Wieś Żuławska – Krajobraz Żuławski. Scenariusz lekcji.)* [in]: Jarzebska A. (eds.): W cieniu domów. Opowieści o Żuławskich domach podcieniowych., Centrum Spotkań Europejskich “Światowid” w Elblągu, Elbląg 2014, p.84-89

[9] Borucka J.: *Zuławy Regional Architecture as Cultural Heritage (arcade house in the landscape of the Zulawy Region). Lesson scenario. (Architektura Regionalna Żuław jako Dziedzictwo Kulturowe (dom podcieniowy w krajobrazie Żuław) – Krajobraz Żuławski. Scenariusz lekcji.)* [in]:

Jarzebska A. (eds.): *W cieniu domów. Opowieści o Żuławskich domach podcieniowych.*, Centrum Spotkań Europejskich "Światowid" w Elblągu, Elbląg 2014, p.89-95

Ebook: <http://public.swiatowid.elblag.pl/sylwia/e-wydanie.pdf>

[10] Borucka J.: *What's the buzz in architecture? – The sonic aspect of space* (Co w architekturze piszczy? Dźwiękowy wymiar przestrzeni)[in:]: Soundplay/ Dźwiękowiska (eds.): Topolski K., CSW Łaźnia, Gdańsk 2013, p.47-62

Ebook: <http://bibliotekacyfrowa.eu/Content/42180/Dzwiekowiska.pdf>

[11] Borucka J.: *Architectural research in Żuławy Region* (Badania architektoniczne na Żuławach) [in:]: Żuławy – Oswajanie Krajobrazu red. A W Brzezińska Wyd. Jasne Poznań- Pruszcz Gdański 2011, p 153-163

[12] Borucka J.: *Architects in Żuławy - in the footsteps of the medieval settlement* (Architekci na Żuławach – śladami osadnictwa średniowiecznego) [in:] Zachować Podcień – zapisane w krajobrazie i pamięci, red. Brzezińska A. Poczobut J., Wyd. Jasne, Pruszcz Gdański oraz Nadbałtyckie Centrum Kultury, Gdańsk 2010, p.113-119

[13] Borucka J.: *Heritage of Dutch settlements in Żuławy - analysis and concepts. Report of the Polish-Dutch Mennonites Treasury workshops* (Dziedzictwo osadnictwa olenderskiego na Żuławach – analizy i koncepcje wykorzystania. Raport z polsko-holenderskich warsztatów Skarb Menonitów) [in:] Żuławy w poszukiwaniu tożsamości, red A.M. Brzezinska, Muzeum Narodowe w Gdańsku, Wyd. Jasne, Pruszcz Gdański 2009, p.31-39

[14] Borucka J.: *Musical inspiration in contemporary architecture- to build a music and to hear an architecture* [in:] I Luoghi e la Musica, red. Fabrizio Pezzopane, ISMES Roma Italii 2009, p.83-93

[15] Borucka J.: *Music as a creative element in the architecture based on the theory of B. Leitner* (Muzyka jako element twórczy w architekturze na podstawie teorii B. Leitnera [in:] Zeszyty Naukowe Politechniki Śląskiej nr 1744, zeszyt nr 44 ,wyd. Politechniki Śląskiej, Gliwice 2006, p. 17-22

[16] Borucka J.: *The role of music in the contemporary architecture* (Rola muzyki we współczesnej architekturze) [in:] Zeszyty Naukowe Politechniki Śląskiej nr 1744, zeszyt nr 43 ,wyd. Politechniki Śląskiej, Gliwice 2004, p.15-20

SELECTED CONFERENCES AND EXIBITIONS:

1. "Sensing the City" Conference 2009 Gdańsk, Poland, paper presentation: *Sound in public space - sonic environment of the city*
2. "Sensing the City" Conference 2010 L'Aquila, Italy paper presentation: *The Role of Sound Element In Rehabilitation of the Space L'Aquila*
3. "Sensing the City" Conference 2012 Caceres, Spain, paper presentation: *Multilayered perception of space - the impact of art in open spaces*
4. Series of conferences summarizing of EWTA 2009, 2010, 2011 Ayvalik, Turkey / project presentation

5. Interdisciplinary research workshops „*Art and Architecture*” within *WIRE* 2013, 2014, Ankara, Turkey / project presentation
6. Series of conferences summarizing of *EWUQ Port* 2012, 2013, 2014 Izmir, Turkey / project presentation
7. Interdisciplinary research workshops *Structures in Building Culture* within: IP 2012, Cyganek/Zelichowo, Poland, IP 2013, Barcelona, Spain, IP 2014 Touss, Lichtensten
8. Interdisciplinary research workshop within European Workshop Waterfront Urban Design / EWWUD 2014 Lisbon, Portugal / presentation of the workshop results and workshop conducting
9. *SOUND SPACE Miary dźwięku* research workshop within *Dźwiękowiska/ Soundplay/ Art & Science Meeting* 2012 project/ project presentation and workshop co-conducting
10. *LIGHT CITY SOUND* international research workshop, GUT, Gdansk, TUE Eindhoven 2012, 2013 / presentation of the workshop results and workshop conducting
11. *Narratives* Gdansk Festival 2012, 2014 project presentation
12. *Glow* Festival Eindhoven 2012, project presentation
13. *Art & Science* Conference Gdansk 2011
14. Series of presentations within the framework of the project „S.O.S. dla żuławskich domów podcieniowych” /SOS for arcaded houses in Żuławy/ organized by Centre for European Meetings "Światowid" cofinanced by the Ministry of Culture and National Heritage and Local Government of Warmia and Mazury 2014
15. Scientific Conference “*Keep the Arcade Houses*” Malbork 2010 / presentation of the workshop results “*Zachowac Podcien*” and conducting sessions
16. International Conference / I Luogji e La Musica / L'Aquila / Italy 2008 paper presentation
17. Scientific conference *Żuławy Looking for Identity* Gdansk 2008 presentation
18. Triennale de Arquitectura de Lisboa 2007 / participate in discussions accompanying Cycle: *Music and Architecture*
19. Second Conference of Doctoral Departments of Architecture 2KDWA, Szczyrk, 2006
20. Conference of Doctoral Departments of Architecture 2KDWA, Szczyrk, 2004
21. International Conference 2003 "Cities in the Regions." Weimar
22. International Congress "Stadt 2030" Breunschweig / Germany
23. Kongress Rhein / Neckar / Dreieck, Germany,
24. Conference "Metamorphosis II" University of Technology Faculty of Architecture, Gdańsk, 2003 paper presentation

■ Research results

Dr. Borucka’s ability to think independently and work efficiently was already demonstrated during her PhD. The PhD work of Dr. Borucka investigated the musical influences upon the contemporary architecture and the simultaneous inspiration that these two fields of art exert upon each other. Thus, her work develops in the context of dynamic urban space and continually developing contemporary cities, and urban landscapes.

Her research concerns **theory of architecture** and **strategies for urban renewal**.

The research for her doctoral studies at the Gdansk University of Technology, developed with collaboration with artists and international researchers, analyzes special impact of interdisciplinary relationships in contemporary architecture and urbanism based on relationships of architecture and other arts.

Such processes are also essential in the issue of strategies for urban renewal. She is currently developing the subject from the theoretical and practical perspective, focusing on following issues:

1. The role of art and participation in art and how it transforms and aids in the process of creation, implementation, operation, and rehabilitation of space. Currently conducting research in several international projects with partners from Italy, Spain, Germany, Great Britain, Turkey. She is involved in research and didactic project with Lichtenstein University In Vaduz, Academie van Bouwkunst Amsterdam, Sant-Lucas School of Architecture Brussels/Gent, Royal Academy in Copenhagen, Norwegian University of Science and Technology in Trondheim, University College Dublin, Universitat Politecnica e Catalunya, Barcelona, The Glasgow School of Art.

Dr. Borucka is an author and co-author of the following international projects:

- **Art and Science – Synergy of Art and Technology in Urban Spaces** (2011),
- **Sensing the City – Designing Urban Experience** (2009-2012) – coordinator of the project and international workshops within the programme IP Gdansk 2009, L'Aquila 2010, Caceres 2012 - design as a stimulator in social, cultural, architectural and urban regeneration strategies, cooperation with artist and art institutions including: The Baltic Sea Cultural Centre, Laznia Centre for Contemporary Art; published on the website (www.ipstc.eu) and book[1] and and was presented in the occasion of different conferences and talks [1,2,3,11,13](see CV).At present she is a leader for the Project **Bank of Inspiration** for the Gdansk City Gallery GGM within the People's Smart Sculpture – Social Art in European Spaces.

2. Regeneration of public spaces and preservation cultural and natural heritage in the context of XXI century development. She participated, as an expert, in the regional research for the Żuławy Region in cooperation with ICOMOS and National Service for Archeology, Cultural, Landscape and Monuments, the Nederland's; interdisciplinary research in the Vistula Delta Żuławy and other projects in Żuławy among others; consultant and scientific advisor for projects, such as: Pogotowie Konserwatorskie; she established cooperation with scientific research institutions: Institute of Ethnology and Cultural Anthropology Adam Mickiewicz University in Poznan, County Office of Malbork, Malbork Castle Museum, National Museum in Gdansk, Centre for European Meetings "Światowid". These activities led to several publications [7,8,9,12,13,14] and have been presented in various conferences and talks[14,15,17] (see CV).

▪ **Independent thinking and leadership qualities**

Following her **nomination as an adjunct faculty member**, Ms Borucka became responsible of the development of the interdisciplinary research in architecture in the Faculty of Architecture at the GUT. She invited for collaboration several artists (such as: sound artists K.Topolski, Z. Wollny) and scholars, and performed research with the graduate students within the workshops and optional subjects on national and international level with cooperation e.g. TU Eindhoven and Academy of Art Szczecin. As the development and realization of such innovative discipline necessitate international contacts and collaborations, M.Borucka took the initiative to establish contact with Prof. Mattogno, a well-known scientist in the field. Ms Borucka has estimated that **the best way to develop her future career and subject is to carry out postdoctoral studies in the group of Prof. Caludia Mattogno**. The experience and knowledge she would gain during this stay would give her the necessary autonomy to continue independent research, benefiting the GUT as well. In her didactic work she coordinated **projects** and international workshops within the programme IP (see CV), where she encouraged multi-disciplinary specialists to collaborate on new educational concepts. She demonstrated her

ability to motivate students to achieve academic excellence in a variety of fields of architecture. She has been highly influential in developing curricula, educating and training students at her home University, especially in optional courses dedicated to the interdisciplinary approach for architecture. Her teaching topics cover emerging architectural issues, allowing the students to broaden their competences and become specialists. **Her students find employment in high level and renowned architectural offices in Poland and abroad and win competitions on a national level.** This confirms Dr. Borucka potential for not only acquiring new knowledge but also her ability to transfer it. She motivated students to work on master thesis and she has contributed to their supervision, leading many of them to devote to scientific carrier within the PhD studies in the Doctoral Program in Architecture and Civil Engineering at the Faculty of Architecture GUT.

The professional qualities of Dr. Borucka are accompanied by her activities in other fields. As a long time member of Library Council GUT, she represented the interests of the Faculty, and was elected, among others, to the Faculty Recruitment Committee, Faculty Examination Board and the Institutional Panel on Internationalization at GUT. As a Dean's Representative for Departmental International cooperation and Erasmus programme she supports and supervises students' international studies **for the Erasmus scholarship.** As an example of her dedication to engage in the dialogue with society, she worked (voluntarily) and she had got a strong insight into the new creation work of **Inicjatywa Miasto /City Initiative Association** where innovation projects address the growing complexity of life in today's city spaces and imminent challenges to the development of the urban environment. Her voluntary work in other non-profit organization include: **Non Serio Association** for the popularization of musical culture in the Pomerania region, where she has been the chair of the board since 2006. Finally, she became a member of the association of artists and **Association of Polish Architects SARP**, in which she had to take various responsibilities.