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**CURRICULUM VITAE
2009**

Personal

Name: TOMASZ WAZNY
Birthdate: 23.02.1957,
Place of birth: Warszawa, Poland
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97-200 Tomaszow Mazowiecki – Wawal, ul. Boczna 12

Education

1963 – 1975 Primary and secondary school
1975 – 1980 Study of Wood Technology at the Agriculture University of
Warsaw/Poland
1980 – 1981 Practical work in wood industry and at the University of
Hamburg/Germany, Institute of Wood Biology.
1981 MSc Eng. in Wood Technology from the Agriculture University of
Warsaw/Poland. Master thesis title: “Axial shrinkage of
archaeological wood as indicator of its condition”
1990 PhD in Wood Biology at the University of Hamburg/Germany.
Dissertation title: “Aufbau und Anwendung der Dendrochronologie für
Eichenholz in Polen” (Development and Application of
Dendrochronology for Oak in Poland).

Professional Experience

1982 – 1989 Scientific co-worker at the Warsaw Academy of Fine Arts, Faculty of
Conservation and Restoration

- 1989 – 1990 Doctorate student at the Institute of Wood Biology, University of Hamburg, under the supervision of Prof. Dr. Dieter ECKSTEIN within a project financed by the German Science Foundation (DFG)
- 1990 – 1999 Assistant professor at the Academy of Fine Arts
- 1999 Habilitation at the Faculty of Wood Technology, Agriculture University of Poznan/Poland
- 2000 – 2005 Associate professor at the Warsaw Academy of Fine Arts
- 2002 – 2006 Associate professor at the Nicolaus Copernicus University of Torun
- 2006 – Full professor, Nicolaus Copernicus University of Torun
- 2007 – Visiting scientist, Cornell University, Ithaca/USA

Memberships

- 1994 – Tree-Ring Society
- 1994 – 2000 Advisory council of the “Tree Ring Bulletin” (USA)
- 1997 – International Association of Wood Anatomists
- 2000 – 2005 Advisory board of “Dendrochronologia” (Italy)
- 2002 – Gesellschaft für Jahrring-Forschung e.V.
- 2005 – Polish Society of Environmental Archaeology
- 2006 – Polish Society of Oriental Art

Awards

- 1992 Award of the Polish Academy of Sciences
- 2000 – 2001 Postdoctoral Scholarship of the Korean Science and Engineering Foundation KOSEF
- 2001 – 2004 Expert of the Polish Minister of Culture in protection of cultural heritage
- 2006 Fulbright Scholarship at Cornell University

Major work in other countries:

- Germany University of Hamburg, German Science Foundation project, 1989-90
- Denmark National Museum in Copenhagen, 1993 and 1998
- Nepal German Science Foundation project, 1995 and 1997
- Korea Chungbuk National University in Cheongju, postdoc funded by the Korean Science and Engineering Foundation, 2000-2001
- Portugal The National Centre for Nautical and Underwater Archaeology of the Portuguese Institute of Archaeology in Lisbon 2003, 2004
- India Library of Tibetan Works and Archives, 2005
- USA Cornell University, Fulbright Scholarship, 2006
- Thailand Mahidol University, Polish-Thai bilateral program on scientific and technological cooperation, 2005, 2007

Courses taught at the Nicolaus Copernicus University in Torun:

- I. *Archaeology*
- Dating methods of wooden objects
- II. *Geography*

- Dendrochronology – dating of the past
- III. *Conservation and Restoration of Works of Art*
 - Wood science: wood structure, identification of the most important species, wood properties and preservation, dating methods.
- IV. *Protection of Cultural Heritage*
 - Wood in the cultural heritage
- V. *Art History*
 - Wood in the art and architecture of Asia

Research interests and activities

1. Development of long-term tree-ring chronologies
2. Dating of archaeological, architectural, and art-historical objects
3. Dendroclimatology
 - climate reconstruction from historical chronologies;
 - long-term changes in climate;
 - reconstruction of trans-regional climatic disturbances
4. Dendroecology
 - reconstruction of the forest structure and past vegetation;
5. Dendrochronology in Asia
 - history of settlements in High Asia;
 - human activity as an indicator of climate change;
 - possibilities of dendrochronological reconstruction of palaeo-monsoon variability.
6. Timber trade in Europe
7. Dendroprovenancing – estimation of wood origins
8. Dendrochronological examination of shipwrecks and boats
9. Development of dendrochronology and dendroprovenancing methods for the Mediterranean and SE Europe
10. Problems of protection and conservation of wooden cultural heritage

International projects:

- 1995–1996** Early-medieval strongholds in Masovia and Eastern Poland (German-Polish Project Johann-Wolfgang-Goethe Universität Frankfurt am Main and Instytut Archeologii i Etnologii w Warszawie).
- 1995–1997** Development of settlements and states in the Tibetan Himalaya (Project of the German Science Foundation)
- 1994–1996** EC Research Project EV5V-CT94-0500: Tree-ring evidence of climate change in Northern Eurasia during the last 2000 years.
- 1996–1999** EC Research Project ENV4-CT95-0127: Analysis of dendrochronological variability and associated natural climates in Eurasia - the last 10,000 years (ADVANCE-10K).
- 1999** Organization of the EURODENDRO'99 (Conference of the European Dendrochronology) in Malbork, Poland, September 22nd-26th

- 1999–2004** Reconstruction of the natural variability of precipitation in the Netherlands and North Germany for the last 8000 years using ultra-long tree-ring chronologies of oak. (The Netherlands Centre for Dendrochronology: RING Foundation; funded by NOW/ALW, project code: 750-7—004, Holand.)
- 2000–2003** Dating of Korean historical buildings using dendrochronology, radiocarbon and architectural history (grant No. 2000-2-31700-001-3 Korea Science & Engineering Foundation).
- 2001–2003** Timber trade between the Baltic zone and France from the middle ages to 17th c. and its implications for the study of works of art and furniture (Polish-French integrated operations POLONIUM 2000, 2002, project No 2602/R00/02.)
- 2002-2006** SINCOS – Sinking Coasts - Geosphere, Ecosphere and Anthroposphere of the Holocene Southern Baltic Sea. The German Science Foundation Project: 1.5: Assembly of a dendrochronological data bank along the southern coast of the Baltic Sea and its application as a dating tool and climatic archive.
- 2005-2007** Development of climatic sensitive tree-ring chronologies for teak (*Tectona grandis*) in Thailand by combining living trees and historic timbers. (Polish-Thai bilateral program on scientific and technological cooperation.)
- 2006** Development of dendroprovenancing methods for the Eastern Mediterranean. Fulbright project at Cornell University
- 2006-2008** Early Medieval cult sites by the inland water reservoirs in the Middle Pomerania (grant of the Ministry of Science and Higher Education No. 1 H01H 027 29)
- 2006-2009** Managing Cultural Heritage Underwater (MACHU), Culture 2000 Program
- 2007-** Aegean Dendrochronology Project (ADP) - Cornell University, Ithaca, USA
- 2008-2010** Digital Collaboratory for Cultural-Historical Dendrochronology in the Low Countries, NWO Project number INVMG-07-03
- 2009-2011** Filling in the blanks in European dendrochronology: building a multidisciplinary research network to assess Iberian wooden cultural heritage worldwide. NWO Project.

Books

- WAZNY, T., 1990:
Aufbau und Anwendung der Dendrochronologie für Eichenholz in Polen.
Hamburg: Diss. Universität Hamburg, 213 pp.
- WAZNY, T., 2001:
Dendrochronologia obiektów zabytkowych w Polsce. Dendrochronology of historical objects in Poland. Gdansk: Muzeum Archeologiczne w Gdańsku, 132 pp. (pol.)

Selected Articles and Book Chapters

- ECKSTEIN, D., WAZNY, T., BAUCH, J., KLEIN, P., 1986:
New evidence for the dendrochronological dating of Netherlandish paintings.
Nature 320, 465-466.
- WAZNY, T., ECKSTEIN, D., 1991:
The dendrochronological signal of oak (*Quercus* spp.) in Poland.
Dendrochronologia 9, 35-49.
- WAZNY, T., SIWECKI, R., LIESE, W., 1991:
Dendroecological investigations of the oak decline on the Krotoszyn Plateau (Poland). Proc. Intern. Symp. on Oak Decline in Europe, Kornik, Poland, May 15-18, 1990.
- WAZNY, T., 1992:
Historical timber trade and its implications on dendrochronological dating. Proc. Intern. Symp. "Tree rings and environment", 3-9 Sept. 1990, Ystad, Sweden. Lundqua Report 34: 331-333.
- WAZNY, T., 1993:
Dendrochronological dating of the Lusatian culture settlement at Biskupin - first results. News WARP 14, 3-5.
- WAZNY, T., 1994:
Dendrochronology of Biskupin - absolute dating of the early iron-age settlement. *Bulletin of the Polish Academy of Sciences, Biological Sciences*, vol.42, No.3, 283-289.
- BONDE, N., TYERS, I., WAZNY, T., 1997:
Where does the timber come from? Dendrochronological evidence of timber trade in Northern Europe 14th to 17th century. In: SINCLAIR, A., SLATER, E., GOWLETT, J. (eds.): *Archaeological Science 1995*, Oxbow Books, Oxford, 201-204.
- SCHMIDT, B., WAZNY, T., MALLA, K., HOFES, E., KHALESY, M., 1999: Site chronologies for historical dating in High Asia/Nepal. In: WIMMER, R., VETTER, R.E. (eds.): *Tree ring analysis: biological, methodological and environmental aspects*. Wallingford: CAB Intern. 205-211.
- WAZNY, T., PARK, W.-K., 2000: How the Korean buildings preserved historic and climatic records. In: PARK, W.-K. (ed.): *Identification and characteristics of*

- archaeological woods and traditional papers*. Choengju: Chungbuk National University, 28-29.
- WAZNY, T., 2001: Wood and climate of the year 1000 AD. In: URBAŃCZYK, P. (ed.): *Europe around the year 1000*. Warszawa: Inst. of Archaeology and Ethnology, Polish Academy of Sciences and Wyd. DiG, 101-107.
- WAZNY, T., 2001: Wood as a biological time capsule. *Korean Journal of Quaternary Research* 15 (2), 119-127.
- WAZNY, T., 2002: Baltic timber in Western Europe – an exciting dendrochronological question. *Dendrochronologia* 20 (3), 313-320.
- PARK, W-K., LEE, J.-H., KIM, Y.-J., WAZNY, T., 2002: Tree-ring dating for Sinmun, the North Gate of Kyongbok Palace in Seoul. International Conference on East Asian Architectural History, October 17-19, 2002, Seoul: Korean Association of Architectural History, 615-621. <http://www.tama2002.org>
- Briffa, K.R., Baillie, M.G.L., Bartholin, T., Bonde, N., Kalela-Brundin, M., Eckstein, D., Eronen, M., Frenzel, B., Friedrich, M., Groves, C., Grudd, H., Hantemirov, R., Hillam, J., Jansma, E., Jones, P.D., Karlén, W., Leuschner, H.H., Lindholm, M., Makowka, I., Naurzbaev, M.M., Nogler, P., Osborn, T.J., Riemer, T., Salmon, M., Sandner, C., Schweingruber, F.H., Shiyatov, S.G., Spain, J., Spurk, M., Timonen, M., Tyers, I., Vaganov, E.A., Wazny, T. and Zetterberg, P. (1999). Analysis of Dendrochronological Variability and Associated Natural Climates in Eurasia - the Last 10,000 Years (ADVANCE-10K). PAGES 7: 6-8.
- WAZNY, T., KLODA, P., 2003: The wooden church at Tarnowo Pałuckie – science and conservation integrated. In: KOZŁOWSKI, R. (ed.): *Cultural Heritage Research: a Pan-European Challenge*. Proc. of the 5th EC Conference. Kraków: ICSC, 329-333.
- LEUSCHNER, H.H, RIEMER, T., BAILLIE, M.G.L., WAZNY, T., 2004: Long term ring-width variations in European oak chronologies between 900 and 2000 AD. Abstracts EuroDendro 2004, Rendsburg, 30-31.
- WAZNY, T., PANER, H., GOLEBIEWSKI, A., KOSCINSKI, B., 2004: Early medieval Gdansk/Danzig revisited. Abstracts EuroDendro 2004, Rendsburg, 51.
- HANECA, K., WAZNY, T., VAN ACKER, J., BEECKMAN, H., 2005: Provenancing Baltic timber from art historical objects: success and limitations. *Journal of Archaeological Science* 32 (2), 261-271.
- WAZNY, T., 2005: The origin, assortments and transport of Baltic timber. In: VAN DE VELDE, C., VAN ACKER, J., BEECKMAN, H., VERHAEGHE, F. (eds.). *Constructing Wooden Images: proceedings of a symposium on the organization of labour and working practices of late Gothic carved altarpieces in the Low Countries, Brussels 25-26 October 2002*, Brussels: VUB Press, 115-126.
- POKLEWSKI-KOZIEŁŁ T., WAZNY T. 2006. The Leczyca evidence of planting an industrial forest about the year 1590. *Fasciculi Archaeologica Historicae* 18, 29-34.
- INDRUSZEWSKI, G., NILSSON, M., WAZNY, T., 2006. The ships that connected people and the people that commuted by ships: The western Baltic case-study. In: BLUE, L., HOCKER, F., ENGLERT A. (ed.): *Connected by the Sea. Proceedings of the Tenth International Symposium on Boat and Ship Archaeology, Roskilde 2003*, Oxford: Oxbow Books, 177-186.

- PARK, W.-K., KIM, Y.-J., SEO, J.-W., LEE, J.-H., WAZNY, T. 2007. Tree-ring dating of Sinmu-Mun, the North Gate of Kyungbok Palace In Seoul. *Tree-Ring Research* 63(2): 105-109.
- WAZNY, T., 2007: Dendrochronologiczne datowanie sredniowiecznego grodu warszawskiego. *Dendrochronological dating of the medieval Warsaw stronghold*. "Kronika Zamkowa" nr 1-2/53-54/2007, Warszawa: Arx Regia.
- WOLL, A., MASS, J., BISULCA, Ch., CUSHMAN, M., GRIGGS, C., WAZNY, T., OCON, N., 2008: The unique history of "The Armorer's Shop". An application of the confocal X-Ray fluorescence microscopy. *Studies in Conservation* 53, 93-109.
- WAZNY, T., PARK, W.-K., LEE, J.-H., KIM, Y.-J., 2008: Dendrochronologia w badaniach zabytkow architektury drewnianej w Korei na przykladzie Sinmu-mun, polnocnej bramy krolewskiego palacu Kyongbok w Seulu. *Dendrochronology in the investigation of wooden architecture in Korea, SinMu-Mun – the Northern Gate of Kyongbok Royal Palace in Seoul*. In: MALINOWSKI, J., WOJTCZAK, M. (red.): Toruńskie Studia o Sztuce Orientu, Torun: Wyd. Naukowe UMK, 89-96.
- KNEISEL, J., CZEBRESZUK, J., DÖRFLER, W., GROOTES, P., HAAS, J.-P., KARLHEUSSNER, U., KROLL, H., MÜLLER, J., WAHLMÜLLER, R., WAZNY, T., 2008: Die befestigte frühbronzezeitliche Siedlung Bruszczewo: Metallproduktion, Feuchtbodenbefunde und ökologischer Kollaps? *NAU* 14, 53-60.