

## CURRICULUM VITAE

**Name** Breandán Ó hUallacháin

**Date of Birth** June 7, 1952

**Marital Status** Married (Debra), 2 children (Eamon, Maeve)

**Current Position** Professor  
School of Geographical Sciences  
Arizona State University  
Tempe, Arizona 85287

**Citizenship** Ireland  
U.S. Visa: Permanent Resident

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**Education** University of Illinois  
Ph.D. Geography (1982)  
(Regional Science Program)

Indiana University  
M.A. Geography (1976)

National University of Ireland  
(University College Dublin)  
B.A.(Hons) Geography & Economics (1973)

### Positions Held

Assistant Professor to Professor of Geography, Arizona State University,  
1987- Present

Chair, Department of Geography, Arizona State University 1998-2004

Interim Chair, Department of Geography, Arizona State University 1997-1998

Visiting Assistant Professor, American Graduate School of International Management,  
summer 1988

Assistant Professor of Geography, Northwestern University, 1982-87

Instructor of Economics, University of Illinois, 1979-82

## **Courses Taught**

Introduction to human geography, urban geography, economic geography, methods of urban and regional analysis, industrial location analysis, urban and regional transportation, natural resources, introductory and advanced statistics, advanced research methods in geography.

## **Research Interests**

1. Invention and innovation in urban and regional systems.
2. Industrial restructuring and regional adjustment.
3. International direct investment flows
4. Metropolitan growth and development.
5. The changing economic geography of American copper, steel, and semiconductor production.
6. Structural change in natural resources production.
7. Transaction cost theory, vertical integration and the restructuring of American manufacturing industries

## **External Grants and Research Contracts (Funded)**

Principal Investigator, "Japanese Direct Investment in the United States Manufacturing Sector," *National Science Foundation*, 1989, \$3516. Ph.D. Dissertation Grant for Neil Reid.

Consultant, "A System for Assessing the Development Status of Metropolitan Areas," Northwestern Council for Urban Economic Development Institute (NCI), 1989, \$12,500. Grant from the *Economic Development Administration* (EDA).

Principal Investigator, "Evaluation of Economic Development Incentives: Cross-Sectional Studies of Recent Sectoral Growth Patterns," Joint funding from the Economic Development Administration (EDA), *U.S. Department of Commerce*, \$88,563 and the *Ford Foundation* \$57,500. Grant Administered through the Northwestern Council for Urban Economic Development Institute, 1986.

Principal Investigator, "Urban Economic Development Using Cooperative Industrial R&D," *Northwestern Council for Urban Economic Development Institute*, Evanston, Illinois, 1986 \$4000.

Principal Investigator, "Markets and Transportation Requirements for Selected Illinois Manufacturing Industries," *Office of the Governor, State of Illinois*, 1985, \$7690.

## **Theses and Dissertations**

Undergraduate Thesis, "Residential Land Values in the North Dublin Suburbs: A Multivariate Analysis", University College Dublin, 1973.

Master's Thesis, "Access to a Centrally Located Public Service: The Case of a Senior Citizen Center," Indiana University, 1976.

Ph.D. Thesis, "The Relationship Between Foreign Direct Investment and A Regional Industrial System: An Analysis of Interregional and Intra-Corporation Linkages of Foreign-owned Manufacturing Establishments", 1982.

## **Papers in Preparation and Under Review**

"Technological Diversity and Invention Leadership in American Metropolitan Areas." Manuscript in preparation.

"The Identification of Inventive Regions in the United States." Manuscript in preparation

"Shopping Mecca: The Geography of Retailing in Phoenix.' Manuscript in preparation

## **Publications**

"Post-Industrial Manufacturing in a Sunbelt Metropolis: Where are Factories Located in Phoenix? (2009) Accepted and forthcoming in *Urban Geography*

"Regional Growth Transition Clubs in the United States. *Papers in Regional Science*. 2008, 87(1):33-53.

"Producer Services in the Urban Core and Suburbs of Phoenix," (with Timothy F. Leslie) *Urban Studies*. 2007, 44(8): 1581-1601.

"Rethinking the Regional Knowledge Production" (with Timothy F. Leslie) *Journal of Economic Geography*. 2007, 7(6): 737-752.

"Regional Growth in a Knowledge Based Economy." *International Regional Science Review*. 2007, 30(3): 221-248.

"Polycentric Phoenix," (with Timothy F. Leslie) *Economic Geography*, 2006, 82(2): 167-192.

"Spatial Convergence and Spillovers in American Invention," (with Timothy F. Leslie) *Annals of the Association of American Geographers*, 2005, 95(4): 866-886.

- “Patent Places: Size Matters,” *Journal of Regional Science*, 1999, 39(4): 613-637.
- “Vertical Integration in a Lean Supply Chain: Brazilian Automobile Component Parts,” (with David Wasserman), *Economic Geography*, 1999, 75(1): 21-42.
- “Human Geography in Action,” 1998. Contributor. New York: John Wiley and Sons.
- "Acquisition versus Greenfield Investment: The Location and Growth of Japanese Manufacturers in the United States," *Regional Studies*, 1997, 31(4): 403-416.
- "Restructuring the American Semiconductor Industry: Vertical Integration of Design Houses and Wafer Fabricators," *Annals of the Association of American Geographers*, 1997, 87(2): 217-237.
- "Foreign Direct Investment in American Service Sectors: Source Country Contrasts and Locational Determinants," *Papers in Regional Science*, 1996, 75(3): 397-433.
- "Sectoral Differences in the Determinants of the Location of Foreign Direct Investment in American Manufacturing," (with Neil Reid), *Papers in Regional Science*, 1996, 75(2): 201-235.
- "Vertical Integration in American Manufacturing: Evidence for the 1980s," *Professional Geographer*, 1996, 48(4): 343-356.
- "Restructuring of Primary Industries: Technology, Labor and Corporate Strategy and Control in the Arizona Copper Industry, 1980-1992," (with Richard A. Matthews), *Economic Geography*, 1996, 72(2): 196-215.
- "Japanese Corporate Groups and the Locational Strategy of Japanese Auto and Component Parts Makers in the United States." Book chapter (with Neil Reid and Andrew Solocha) in *The Location of Foreign Direct Investment: Geographic and Business Perspectives*, 1995, eds. R. McNaughton, and M. Green, pp. 107-120, Avebury Press, Aldershot.
- "Economic Restructuring in Primary Industries: Transaction Costs and Corporate Vertical Integration in the Arizona Copper Industry, 1980-1991," (with Richard A. Matthews) *Annals of the Association of American Geographers*, 1994, 70(2): 399-417.
- "Foreign Banking in the American Urban System of Financial Organization," *Economic Geography*, 1994, 70: 206-228.
- "The Restructuring of the American Steel Industry: Changes in the Location of Production and Employment," *Environment and Planning A*, 1993, 25: 1339-1359
- "Industrial Geography," *Progress in Human Geography* 1993, 17(4): 548-555.

- "The Location of Services in the Urban Hierarchy and the Regions of the United States," (with Neil Reid) *Geographical Analysis*, 1993, 25(3): 252-267.
- "Source Country Differences in the Spatial Distribution of Foreign Direct Investment in the United States," (with Neil Reid), *The Professional Geographer*, 1992, 44(3): 272-285.
- "The Intrametropolitan Location of Services in the United States," (with Neil Reid), *Urban Geography*, 1992, 13(4): 334-354.
- "Industrial Geography," *Progress in Human Geography*, 1992, 16(4): 545-552.
- "Sectoral Growth Patterns at the Metropolitan Level: An Evaluation of Economic Development Incentives," (with Mark A. Satterthwaite), *Journal of Urban Economics*, 1992, 31(1): 25-58.
- "Economic Structure and Growth of Metropolitan Areas," (1992), Chapter 4 in *Sources of Metropolitan Growth*, eds. Edwin S. Mills and John F. McDonald. New Brunswick, NJ: Rutgers University, Center for Urban Policy Research, pp 51-85
- "Sectoral Clustering and Growth in American Metropolitan Areas," *Regional Studies*, 1991, 25(5): 411-426.
- "Industrial Geography," *Progress in Human Geography*, 1991, 15(1): 73-80.
- "The Location and Growth of Business and Professional Services in American Metropolitan Areas, 1976-1986," (with Neil Reid), *Annals of the Association of American Geographers*, 1991, 81(2): 254-270.
- "Comments on Japan's Direct Manufacturing Investment," (with Neil Reid), *The Professional Geographer*, 1990, 42(2): 223-226.
- "The Location of American Manufacturing: Some Empirical Evidence on Recent Geographical Shifts," *Environment and Planning A*, 1990, 22(9): 1205-1222.
- "A Causative Matrix Approach to Interpreting Structural Change," (with Randall W. Jackson, Peter Rogerson and David Plane) *Economic Systems Research*, 1990, 2(3): 259-269.
- "Agglomeration of Services in American Metropolitan Areas," *Growth and Change*, 1989, 20(3): 34-49.
- "Industrial Geography," *Progress in Human Geography*, 1989, 13(2): 251-258.

"Regional and Technological Implications of the Recent Buildup in American Defense Spending," *Annals of the Association of American Geographers*, 1987, 77(2): 208-223.

"Statistical Approaches to Structural Change in Regional Interindustry Models," *Environment and Planning A*, 1986, 18: 1189-1207.

"The Role of Foreign Direct Investment in the Development of Regional Industrial Systems: Current Knowledge and Suggestions for a Future American Research Agenda," *Regional Studies*, 1986, 20(2): 151-162.

"Complementary Linkages and the Hierarchical Structure of Regional Economies," *Geographical Analysis*, 1985, 17(2): 130-142.

"Spatial Patterns of Foreign Direct Investment in the United States," *The Professional Geographer*, 1985, 37(2): 155-163.

"Input-output Linkages and Foreign Direct Investment in Ireland," *International Regional Science Review*, 1984, 9(3): 185-200.

"Industrial Linkages and Foreign Direct Investment in the United States," *Economic Geography*, 1984, 60(3): 238-253.

"The Identification of Industrial Complexes," *Annals of the Association of American Geographers*, 1984, 74(3): 420-436.

"Industrial Factors in the Development of Regional Systems," (with G.J.D. Hewings) in *Spatial Analysis, Industry and the Industrial Environment*, Vol. 3, eds. F.E.I. Hamilton and G. Linge 1983.

**Citations in Web of Science: 449 (October 28, 2008), includes all known name misspellings**

Ohuallachain B	405
Huallachain BO	23
Ohullachain B	11
Ohuallachian B	2
Huallachain B	2
Uallachain BOH	1
Uallachain BO	1
Ouallachain B	1
O'Huallachain B	1
Huallachain OB	1
Huallachain O	1

## **Committee Service**

Department of Geography: Personnel, Executive, Graduate, Search, Colloquium, M.A. and Ph.D Committees, Arizona State University.  
College of Liberal Arts and Sciences, Strategic Planning Committee, Arizona State University  
Provost Office, Junior Faculty Mentoring Committee, Arizona State University.  
President's Indicators Taskforce, Arizona State University.  
Faculty Senate: (Financial Affairs Committee), Arizona State University.  
Undergraduate Advisor, Department of Geography, Arizona State University.  
Undergraduate Advisor, Department of Geography, Northwestern University.  
Freshman Advisor, College of Arts and Sciences, Northwestern University.  
Library Representative, Department of Geography, Northwestern University.  
Graduate Admissions Officer, Department of Geography, Northwestern University.

## **Graduate Students Advised (Degrees Completed)**

Eric Kenney, M.A. (2006) Arizona State University  
My Capacity: Chair of Thesis Committee

Timothy Leslie, Ph.D. (2007) Arizona State University  
My Capacity: Chair of Dissertation Committee

Wendy Bigler, Ph.D. (2007) Arizona State University  
My Capacity: Member of Dissertation Committee

Tyler Roberts, M.A. (2006) Arizona State University  
My Capacity: Member of Thesis Committee

Der-Shiuan Lee M.A. (2005) Arizona State University-East  
My Capacity: Member of Thesis Committee

Timothy Leslie, M.A. (2004) Arizona State University  
My Capacity: Chair of Thesis Committee

Anthony Barranda, M.A. (2003) Arizona State University  
My Capacity: Chair of Thesis Committee

Canfei He (2001), Ph.D. (2001) Arizona State University  
My Capacity: Chair of Dissertation Committee

Eric Matranga, M.A. (1996) Arizona State University  
My Capacity: Chair of Thesis Committee

Richard A. Matthews, Ph.D. (1995) Arizona State University  
My Capacity: Chair of Dissertation Committee

Max M. Wyman, Ph.D. (1994) Arizona State University  
My Capacity: Member of Dissertation Committee

James A. Davis, Ph.D. (1993) Arizona State University  
My Capacity: Member of Dissertation Committee

Richard A. Matthews, M.A. (1992) Arizona State University  
My Capacity: Chair of Thesis Committee

Neil Reid, Ph.D. (1991) Arizona State University,  
My Capacity: Chair of Dissertation Committee

Robert Gray, M.A. (1990) Arizona State University  
My Capacity: Member of Dissertation Committee.

Anthony Zik, Ph.D. (1987) Northwestern University,  
My Capacity: Member of Dissertation Committee

## Some Accomplishments as Department Chair 1997-2004

**Research:** Established faculty support system to encourage external research funding procurement through the department and ASU interdisciplinary centers. In 1997 and 1998, geography's external funding totaled \$898 thousand. In 2002-2003, external funding totaled \$2,508 thousand.

**Curriculum:** Established professional masters degree in *Geographical Information Systems*. Supervised establishment of three interdisciplinary graduate certificates: *Geographical Information Science, Transportation, and Atmospheric Sciences*. Established undergraduate certificate in *Geographical Information Science*. Established five Bachelor of Interdisciplinary Studies concentrations: *The Global Family* (with Department of Family Studies and Human Relations), *Environmental Sciences* (with Department of Plant Biology), *Environmental Geography, Geographical Information Science, Geography for Business, and International Geography*.

**Enrollment Management:** Established conditions that led to 59% increase in total enrollment in geography courses (Fall semester FTE rose from 401 to 637 in period 1998-2003).

**Graduate Student Recruiting:** Launched an aggressive graduate student recruiting program that external reviewers in Spring 2004 rated a "model best practice operation."

**Personnel:** All recommendations (positive and negative) accepted by ASU.

**Faculty Numbers:** Total full-time geography faculty numbers increased from 19 to 21 in period 1997- 2004. Recruiting of two additional professors authorized in Fall 2004.

**Development:** Established four fully founded endowments including: *Melvin G. Marcus Memorial Endowment* that supports geography graduate student field research. *Matthew G. Bailey Memorial Endowment* that supports geography undergraduate and graduate student fieldwork. *Malcolm L. Comeaux Lecture Endowment* supports annual lecture of distinguished geographer. *John F. Lounsbury Travel Endowment* supports geography graduate student travel to professional conferences.

**Leadership Style:** External reviewers in Spring 2004 noted the following characteristics of the department "collegial atmosphere," "remarkable *esprit de corps*," "strong model of leadership as consensus building" "fair and equitable management of limited resources," "avoided division between physical and human geography that is prevalent and pernicious in many departments," "warm friendly and united group of people," and "much of the credit must go to the conscientious leadership and even-handed management of the current Chair."

**Departmental Standing:** Division of Graduate Studies in Summer 2004 concluded that the department's seven year Academic Program Review showed that since Geography ranked among those "academic units that have demonstrated strong quality assurance process in place, no follow-up meeting is necessary" These conditions underlay the transformation of the Department to the *School of Geographical Sciences* in AY 2005-06.