Summary & Curriculum vitae

Alain Chiaradia

CONTENTS

A: SUMMARY OF EXPERIENCE

RESEARCH AND SCHOLARSHIP

My **field of research** is **urban morphometrics** (techniques of measuring urban form). Urban form is designed, thus morphometrics are urban design metrics. I use City Information Modelling (CIM, the city-scale version of BIM) and GIS to investigate the relationships between urban morphology and urban design on the one hand, and socio-economic and environmental outcomes and impacts, on the other. Prior to joining the University of Hong Kong in July 2016, I was at Cardiff University from 2011, I focused on developing and testing **sDNA (spatial Design Network Analysis), a software-based tool for analysing urban spatial network shapes**. sDNA is a freeware platform that enables spatial network research. sDNA PLUS is the licensable version with extended features. Since 2011, **10 research projects worth £1m+** (not including commercial income) have used sDNA, including the project that won the 2014 Royal Town Planning Institute (RTPI) Research Award.

Prior to 2011, I was **Board Director at Space Syntax Limited**, the pioneering **research-based consultancy** in the **technical field of spatial network analysis**, and a **knowledge-exchange spin-out company** of the Bartlett, University College London (UCL). **Over 10 years** there, I was responsible for **more than 50 consultancy and academic research projects** worth £3m+ and **over 40 practical urban design and planning policy projects** totalling £1.3m. This work was underpinned by academic research carried out in conjunction with UCL, where I was **Honorary Senior Research Fellow**. During this time, I was **PI on a £1.2 million research project**, 'i-VALUL: The socio-economic value of urban layout', hosted at UCL, and was **Co-I** on 3 other projects totalling £1.2m, hosted at UCL, University of East London and Oxford University. **I am an internationally-recognised expert in spatial network analysis**, and have served as expert peer reviewer on research grant-funding bodies of 5 countries.

I am named author on **133 research outputs**, and **over 324 citations** since 2012.

TYPE	TOTAL	TYPE	TOTAL
Refereed Journal Articles	7	Other articles e.g. in professional journals	15
Book Sections or Chapters	10	Conference papers (invited)	57
Monograph	1	Exhibitions of professional work (invited)	20
Refereed Conference papers with proceedings	18	Design projects	5

Note: not including consultancy reports or policy documents produced.

These outputs **demonstrate my ability to conduct academic research** and reflect my career path which can be divided into three distinct phases: (1) 2011- present: 6 years as **full-time academic** at The University of Hong Kong and Cardiff University, (2) 2000-2009: 10 years in **academic research-led consultancy,** Space Syntax Ltd; (3) 1986-1999: 14 years combining teaching, research by design and architecture and art practice at the Architectural Association (AA)[1]. There are six peer reviewed publications since I have only been in full-time academia for 5 years. Prior to that, while I conducted and led academic research, my primary role was to create and realise opportunities for research impact, and my primary output formats were articles in professional journals and conference papers.

At Space Syntax Ltd, as board and executive director, I **attracted funds** and **managed projects** worth on average £250,000 a year, from mixed funding sources which included public and private sector funding, and academic research grants. Of note, I won **£1.2 million** for the i-VALUL project. Since working in full-time academia in 2011, my work and grants held has focused on developing and testing of sDNA as a platform on which project or research can be conducted. Grant income based on sDNA totals £387,000 of which: £105,000 as PI, £282,000 as Co-I.

My research interests, **technical achievements** in **advanced digital technologies**, **practical experience in built environment design,** understanding of both design and urban economics, and **of the aesthetic and technical aspects** of design, could help **realise interdisciplinary ambitions**. In particular, I will be able to make substantial contributions to research on **high density cities**, especially where the **use of big data and software innovations** are key (BIM-GIS-GeoDesign); sDNA is **already used in** the Healthy Cities research centre at HKU.

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[1] Now in its 163rd year, the AA School is arguably the world's most influential and well-known school of architecture.

B: BASIC INFORMATION

QUALIFICATIONS

2008-09 **Graduate Certificate with Distinction** in Statistics and Econometrics, University of London, Birkbeck College, Department of Economics, Mathematics and Statistics.

1993-94 **Graduate Diploma** in History and Theory, Architectural Association School of Architecture, Graduate School.

1980-86 **Architect d.p.l.g.** Ecole Nationale Supérieure d'Architecture, Marseille, France. Equivalent to BArch, March and RIBA Part III.

1979 **Baccalauréat S** Lycée Jean Perrin, Marseille (mathematics, physics & chemistry, French, philosophy, English, engineering sciences), equivalent to 7 A levels.

EMPLOYMENT HISTORY

Academic Appointments	*Professional Appointments*
2016-present **Associate Professor** The University of Hong Kong, Programme Director Master of Urban Design	
2015– 2016 **Senior Lecturer in urban design**	2015-present **Scientific advisor** Efficacity, Paris, France.
2011-2015 **Lecturer in urban design** Cardiff University, School of Planning and Geography, UK.	
2010–11 **Research associate** Cardiff University, School of Planning and Geography, UK.	
	2009–present **Director** dEp Ltd, London, UK.
2008–09 **Fellow** London School of Economics and Political Science (LSE), Cities Programme, UK.	
2006–08 **Adjunct professor** Syracuse University, Architecture, London Programme, UK.	2006–07 **Scientific advisor** EPAD, La Défense, France.
	2005–09 **Board director** Space Syntax Ltd, London, UK.
	2005/06–09 **Executive director** & **Operational research director**, (2006-09) Space Syntax Ltd, London, UK.
	2004–05 **Associate director** Space Syntax Limited, London, UK.
	2003–04 **Managing consultant** Space Syntax Ltd, London, UK.
2000–10 **Honorary Senior Research Fellow** University College London (UCL), UK.	2000–03 **Research consultant** Space Syntax Ltd, London, UK.
1999–00 **Senior Lecturer** University of the Arts (UAL), Chelsea School of Art and Design, London, UK.	
1997– present Visiting **Lecturer / Senior Lecturer** University of Westminster, Faculty of Architecture and the Built Environment, London, UK.	
1996–99 **Associate Professor** Ecole Nationale Supérieure d'Architecture, Grenoble, France.	
1996–99 **Lecturer** University of the Arts, Chelsea School of Art and Design, London, UK.	
1995–98 **Lecturer** Greenwich University, School of Architecture and Landscape, London, UK.	
1995–96 **Lecturer** Kingston University, School of Architecture, London, UK.	
1994–95 **Design Tutor** University of the Arts, Chelsea School of Art and Design, London, UK.	
1993–95 **Lecturer** College of Brunel University, Brunel University, London, UK.	1993–present **Founding Trustee, Director** CHORA, Urban research, Charity, London, UK.
1989–96 **Design Tutor** Architectural Association, School of Architecture, London, UK.	
	1986–90 **Project Architect** Tetra, Marseille, France.

EXTERNAL EXAMINER APPOINTMENTS

1. 2010 – 13 **External examiner**, Diploma, Ecole Nationale Supérieure d'Architecture de Toulouse, France.
2. 1998 **Lead external examiner**, DNSEP, Diploma, National School of Fine Art, Lyon, France.
3. 1993 **External examiner**, DNSEP, Diploma, National School of Fine Art, Lyon, France.
4. 2014 Invited to review MA UD courses at both Tongji and Hong Kong Universities.

PHD EXAMINER APPOINTMENTS

1. Cardiff University, School of Planning and Geography, internal examiner

   2012 PhD. Dissertation: Urban morphology and housing market (Nanjing and Cardiff)

   2015 MPhil.: The politics of accessibility distribution and the informal economy in a rapidly urbanising African city: case study of Lagos, Nigeria.

2. 2013 Cardiff University, School of Architecture, internal examiner

   2015 MPhil.: Florida Southern College "A Child of the Sun": an investigation of the social outcome of Frank Lloyd Wright's language of design

VISITING LECTURESHIPS/PROFESSORSHIPS

1. 2014 – 2017: **International researcher, Gazi University**, City & Regional Planning, Ankara, Turkey.
2. 2012 – 2015: **Visiting scholar, Tongji University**, College of Architecture and Urban Planning, Shanghai, China.
3. 2014 **Visiting lecturer, Hong Kong University**, Faculty of Architecture.
4. 1997 **Visiting Assistant Professor, Columbia University**, Graduate School of Architecture and Planning and Preservation, New York, USA, Master of Architecture. Urban project 'The City, scénarii'.
5. 1996-98 **Visiting Professor. Ecole Nationale des Beaux-Arts, Lyon**. France.
6. 1996-97 **Visiting Professor, MESA Master in European Architectural Studies**, London, UK, Paris, France & Helsinki, Finland. AA, Ecole d'Architecture de Paris-Malaquais, University of Art and Design (UIAH). 'Future Settlement' Urban project.
7. 1996 **Visiting Professor, Institute of Technology, School of Architecture, Vaasa**, Finland: 'Future Archaeology' Urban project, architecture.
8. 1996 **Visiting Professor, Harvard University**, Boston, USA, Graduate School of Design, Masters level Urban project.
9. 1996 **Visiting Assistant Professor, Städelschule, School of Architecture, Frankfurt**, Germany: 'Morphology and social dynamic' Urban project.
10. 1995 **Visiting Assistant Professor, Berlage Institute of Architecture**, Amsterdam Master of Architecture, Netherlands: Edge city project.
11. 1993 **Visiting Assistant Professor, 5th International Seminar DOMUS, Post-Graduate Studio,** Naples, Italy.
12. 1992 **Visiting Assistant Professor, Academie von Bouwkunst, Hogesschool, Amsterdam**, Netherlands: 'One Room City – Field in White Memory'.
13. 1992 **Workshop director, European Assembly of Student in Architecture, Kolomna**, Russia. 'The City as endless table' Urban model, architecture
14. 1990 **Visiting Assistant Professor, School of Architecture MARCHI, Moscow**, Russia.

MEMBERSHIP OF PROFESSIONAL BODIES/LEARNED SOCIETIES

Academician of the Academy of Urbanism, UK.

Member of the Hong Kong Institute of Urban Design

C: RESEARCH AND SCHOLARSHIP

1. Publications

Scholarly book, monograph and chapters

Book chapter externally refereed

1.	Zhang, L., **Chiaradia, A.J.,** & Zhuang, Y. A.**, 2015.** Configurational Accessibility Study of Road and Metro Network in Shanghai**.** In Q. Pan, & J. Cao (Eds.), *Recent Developments in Chinese Urban Planning* (pp. 219-245). Heideberg: Springer. Selected Paper from the 8th International Association for China Planning Conference, Guangzhou, China, June 21 - 22, 2014.

Book chapters

1.	Hickman, R. Hickman, R., Banister, D., **Chiaradia, A. J.**, Gil, J., Ward, J. and Bailly, G. **2009**. VIBAT: London visioning and backcasting for transport for London. In: Penn, A. ed. *The complete UrbanBuzz: Building Sustainable Communities*. London: University College London, **UK**, pp. 206-211. (English & Chinese Editions).

2.	Brimicombe, A. Yang, L., Chao, L., **Chiaradia, A. J**., Friedrich, E. and Gosset, A. **2009**. SEDUC: Socio-environmental degradation and urban configuration. In: Penn, A. ed. *The complete UrbanBuzz: Building Sustainable Communities*. London: University College London, **UK**, pp. 180-183. (English & Chinese Editions).

3.	**Chiaradia, A. J.** and Schwander, C. **2009**. i-VALUL: The socio-economic value of urban layout. In: University College London, ed. *UrbanBuzz autumn update: from research to reality - new techniques, tools and processes to support sustainable communities*. London, **UK**: University College London, pp. 30-33. (English & Chinese Editions).

4.	**Chiaradia, A. J.** and Schwander, C. **2009**. The intangible values of urban layout. In: *The Complete UrbanBuzz*. London, **UK**: University College London, pp. 134-139. (English & Chinese Editions).

5.	**Chiaradia, A. J. 2008.** "Lagos n'est pas la ville de demain": pour une réconciliation des transports, de l'économie et de l'urbanisme. In: Buchoud, N. ed. *La Ville stratégique: Changer l'urbanisme pour répondre aux défis mondiaux = Strategic city: Planners for the XXIst Century*. Débats (CERTU), Vol. 62. Lyon, **France**: CERTU, pp. 125-144. (Published in French and in English)

6.	**Chiaradia, A. J. 2005.** A Evry comme à Londres. In: Buchoud, N. ed. *Les Dynamiques de la rénovation urbaine du quartier à l'intercommunalité: le grand projet de ville des Pyramides à Evry = Enacting urban renewal, from social housing estates to urban communities areas: the project of the Pyramides in Evry*. Débats (CERTU), Vol. 42. Lyon, **France**: CERTU, pp. CC14-CC16. (Published in French and in English)

7.	Bunschoten, R. and **Chiaradia, A. J. 2001**. The skin of the earth: a dissolution in fifteen parts. In: Bunschoten, R., Hoshino, T. and Binet, H. eds. *Urban Flotsam: Stirring the City*. Rotterdam, **The Netherlands**: 010 Publishers, pp. 54-61.

8.	Bunschoten, R. and **Chiaradia, A. J. 1996**. The Skin of the earth. In: Middleton, R. ed. *The idea of the city*. London, **UK**: Architectural Association, pp. 178-197.

9.	Bunschoten, R. and **Chiaradia, A. J. 1994**. The Skin of the earth. In: de Oliveira, N., Oxley, N. and Petry, M. eds. *Installation Art*. London: Thames and Hudson, pp. 164. London, **UK**.

10.	Bunschoten, R. and **Chiaradia, A. J. 1992**. La peau de la terre. In: Pelissier, A. ed. *Machines d'architecture*. Jouy-en-Josas: Fondation Cartier pour l'Art Contemporain/Techniques et Architectures, pp. 28-31. Paris, **France**.

Monograph – peer reviewed

1.	Hillier, B. and **Chiaradia, A. J. 2004**. *Spatial configuration and urban social mix.* Project Report. Paris: French Ministry, Plan Urbanisme, Construction, Architecture (PUCA). Paris, **France**. (In French).

Journal publications externally refereed

1. **Chiaradia, A.,** Sieh, L. Plimmer, F., **2017**, *Design Studies*, Values in Urban Design: A design studio teaching approach. http://dx.doi.org/10.1016/j.destud.2016.10.002

2. Sun, G. Webster, C., **Chiaradia, A., 2017,** Objective assessment of station approach routes: Development and reliability of an audit for walking environments around metro stations in China. Journal of Transport & Health. http://dx.doi.org/10.1016/j.jth.2017.01.010

3. Xiao, Y., **Chiaradia, A**. and Song, X., **2014**, "The discussions on how to implement space syntax method for urban planning" Urban Planning Forum, 5, 32-38. **PRC.**

4. Cooper, C., Fone, D. L. and **Chiaradia, A. J. 2014.** Measuring the impact of spatial network layout on community social cohesion: a cross-sectional study. *International Journal of Health Geographics* 13(1), article number: 11. (10.1186/1476-072X-13-11)

5. **Chiaradia, A.J.,** Hillier, B., Schwander, C., Barnes, Y. **2013.** Compositional and urban form effects on residential property value patterns in Greater London. *Proceedings of the ICE: Urban Design and Planning* 166(3), pp. 176-199. London, **UK.** (10.1680/udap.10.00030). *Nominated for UDP best paper 2013*.

6. **Chiaradia, A.J.**, Hillier, B., Schwander, C., Wedderburn, M. 2012**.** Compositional and urban form effects in centres in Greater London. *Proceedings of the ICE: Urban Design and Planning* 165(1), pp. 21-42. London, UK. (10.1680/udap.2012.165.1.21

In progress journal publications, externally refereed

1. Melbourne, S., Webster, C., Sarkar, C., Zhang. X., Chiaradia, A. **Does green space size and size distribution matter in optimizing walking performance of cities?** To be submitted to Urban Studies by December 2017.

Journal publications, editorial for themed issue

1. Sieh, L., **Chiaradia, A.J.**, Munar Bauza, M., Editorial: "The Art of Urban Design" Part 2**, 2015**, *The Proceedings of the Institute of Civil Engineers: Urban Design and Planning*, special themed issue. 168(6), 1-3.

2. Sieh, L., Munar Bauza, M., **Chiaradia, A.J,** Editorial: 'The Art of Urban Design' Part 1, **2015**, *The Proceedings of the Institute of Civil Engineers: Urban Design and Planning*, special themed issue. 168(1), 1-3.

Conference papers

Refereed conference papers with proceedings

1. Zhang, L., **Chiaradia, A.** and Zhuang, Y. **2014**. A Configurational Accessibility Study of Road and Metro Network in Shanghai. Presented at: *8th International Association for China Planning (IACP) Conference*. Guangzhou, **PRC**, 21st-22nd June, 2014.

2. **Chiaradia, A. J. 2013**. La codification des réseaux piétons et le choix d'itinéraires (Pedestrian network codification and route choice preference). Presented at: *Colloque International Francophone Piéton: La ville sous nos pieds: connaissances et pratiques favorables aux mobilités piétonnes*, Montréal, **Canada**, 20th-22nd Nov 2013.

3. Law, S., Karimi, K., Penn, A., **Chiaradia, A.J., 2013**. Measuring the influence of spatial configuration on the housing market in metropolitan London. Presented at: *9th International Space Syntax Symposium*, Seoul, **Korea**, 31st October – 3rd November 2013.

4. Zhang, L., **Chiaradia, A.J.** and Zhuang, Y. **2013**. In the intelligibility maze of space syntax: a space syntax analysis of toy models, mazes and labyrinths. Presented at: *9th International Space Syntax Symposium*, Seoul, **Korea**, 31st October - 3 November 2013.

5. Hilmy, A., Webster, C.J., **Chiaradia, A.J**., **2012**. **Penang island traffic patterns using spatial design network analysis**. Pesented at: *6th International Conference and Workshop on the Built Environment in Developing Countries (ICBEDC-2012)*, University of South Australia, Adelaide, **Australia**, 4-5 December 2012.

6.   Law, S., **Chiaradia, A. J.** and Schwander, A. **2012**. Towards a multimodal space syntax analysis: A case study of the London street and underground network. Presented at: *8th International Space Syntax Symposium*, Santiago de Chile, Chile, 3rd-6th January 2012. Published in: Greene, M., Reyes, J. and Castro, A. eds. *Proceedings: 8th International Space Syntax Symposium*. Santiago de Chile, **Chile**: PUC, pp. 8021:1-8021:20.

7.   **Chiaradia, A.J,** Hillier, B., Schwander, C., Wedderburn, M. **2009**. Spatial Centrality, Economic Vitality/Viability: Compositional and Spatial Effects in Greater London. Presented at: *7th International Space Syntax Symposium*, Stockholm, Sweden, 8th-11th June 2009. Published in: Koch, D., Marcus, L. and Steen, J. eds. *Proceedings of the 7th International Space Syntax Symposium*. Stockholm, **Sweden**: KTH.

8.   **Chiaradia, A.J,** Hillier, B., Schwander, C., Barnes, Y. **2009**. Residential Property Value Patterns in London: Space Syntax spatial Analysis. Presented at: *7th International Space Syntax Symposium*, Stockholm, **Sweden**, 8th-11th June 2009. Published in: Koch, D., Marcus, L. and Steen, J.eds. *Proceedings of the 7th International Space Syntax Symposium*. Stockholm: KTH.

9.   **Chiaradia, A. J.,** Hillier, B. and Schwander, C. **2009**. Spatial Economics of Crime: Spatial Design Factors and the Total Social Cost of Crime Against Individuals and Property in London. Presented at: *7th International Space Syntax Symposium*, Stockholm, Sweden, 8th-11th June 2009. Published in: Koch, D., Marcus, L. and Steen, J. eds. *Proceedings of the 7th International Space Syntax Symposium*. Stockholm, **Sweden**: KTH.

10.   **Chiaradia, A. J.,** Schwander, C. and Honeysett, D., **2009**. Profiling land use location with Space Syntax: angular choice and multi metric radii. Presented at: *7th International Space Syntax Symposium*, Stockholm, Sweden, 8th-11th June 2009. Published in: Koch, D., Marcus, L. and Steen, J. eds. *Proceedings of the 7th International Space Syntax Symposium*. Stockholm, **Sweden**: KTH.

11.   Friedrich, E., Hillier, B. and **Chiaradia, A. J.**, **2009.** Anti-social Behaviour and Urban Configuration: Using Space Syntax to Understand Spatial Patterns of Socio-environmental Disorder. Presented at: *7th International Space Syntax Symposium*, Stockholm, Sweden, 8th-11th June 2009. Published in: Koch, D., Marcus, L. and Steen, J. eds. *Proceedings of the 7th International Space Syntax Symposium*. Stockholm, **Sweden**: KTH.

12.   **Chiaradia, A.,** Schwander, C., Gil, J., Friedrich, E. **2008**. Mapping the intangible value of urban layout (i-VALUL): Developing a tool kit for the socio-economic valuation of urban area, for designers and decision makers. Presented at: *9th International Conference on Design & Decision Support Systems in Architecture and Urban Planning*, Eindhoven, **The Netherlands**, 2nd-5th July 2008.

13.   Raford, N., **Chiaradia, A. J.** and Gil, J. **2007**. Space Syntax: The Role of Urban Form in Cyclist Route Choice in Central London. Presented at: *Transportation Research Board 86th Annual Meeting*, Washington, DC, USA, 21st-25th January 2007.*TRB (Transportation Research Record) 86th Annual Meeting Compendium of Papers CD-ROM*. Washington, DC, **USA**: Transportation

14.   Chiaradia, A. J. 2007. Emergent route choice behaviour, motorway and trunk road network: the Nantes conurbation. Presented at: *6th International Space Syntax Symposium*, Istanbul, Turkey, 12th-15th June 2007. Published in: Kubat, A. ed. *Proceedings of the 6th International Space Syntax Symposium*. Istanbul, **Turkey**: ITU Faculty of Architecture, pp. 078-1-078-18.

15.   Gil, A., Stutz, J. and **Chiaradia, A. J. 2007**. Confeego: tool set for spatial configuration studies. Presented at: *6th International Space Syntax Symposium*, Istanbul, Turkey, 12th-15th June 2007. Published in: Turner, A. ed. *New Developments in Space Syntax Software*. Istanbul, **Turkey**: ITU Faculty of Architecture, pp. 15-22.

16.   Raford, N., **Chiaradia, A. J.** and Gil, J. **2005**. Critical mass: Emergent cyclist route choice in central London. Presented at: *5th International Space Syntax Symposium*, Faculty of Architecture, TU Delft, Netherlands, 13th-17th June 2005. Published in: van Nes, A. ed. *Proceedings of the 5th Space Syntax Symposium, June 2005*, Vol. 2. Amsterdam, **The Netherlands**: Techne Press, pp. 527-540.

17. **Chiaradia, A. J.,** Moreau, E. and Raford, N. **2005**. [Configurational exploration of public transport movement networks: a case study, the London Underground](). Presented at: *5th International Space Syntax Symposium*, Faculty of Architecture, TU Delft, Netherlands, 13th-17th June 2005. Published in: van Nes, A. ed. *Proceedings of the 5th International Space Syntax Symposium*. Amsterdam, **The Netherlands**: Techne Press.

18. Hillier, B. and **Chiaradia,** A. J. **2003**. [Configuration spatiale et mixité sociale urbaine](). Presented at: *39e* International conference of Regional Science Association *l'ASRDLF*, Lyon, **France**, 1st-3rd September 2003.

Conference papers

19. **Chiaradia, A.J. 2015**. The Eco-City Indicators Used In China. Presented at: 1st International Urban Design Symposium, Shanghai, **PRC**, 5th-6th June 2015.

20. Cooper, C., **Chiaradia, A. J. 2015**[. sDNA: how and why we reinvented Spatial Network Analysis for health, economics and active modes of transport](). Presented at: *GIS Research UK*, Leeds, **UK**, 15th-17thApril 2015.

21. Wedderburn, M., **Chiaradia, A. J. 2014**. [Network Network Network](). Presented at: *42nd European Transport Conference*, Frankfurt, **Germany**, 29th Sept-1 Oct 2014.

22. **Chiaradia, A.J.,** Cooper, C., Wedderburn, M. **2014**. [Network geography and accessibility](). Presented at: *12th Annual Transport Practitioners Meeting*, London, **UK**, 2nd -3rd July 2014.

23. **Chiaradia, A. J.,** Wedderburn, M. **2013**. [Network Network Network](). Presented at: *11th Annual Transport Practitioners Meeting*, Birmingham, **UK**, 2-3 July 2013.

24. Xiao, Y., Webster, C. J., **Chiaradia, A. J**. **2013**. [How urban form shapes land use: empirical findings in Wuhan, China](). Presented at: *The Second International Workshop on Regional, Urban, and Spatial Economics in China*, Beijing, **PRC**, 28th-29th June 2013.

25. Wedderburn, M., **Chiaradia, A.J. 2013**. [Network, network, network: pedestrian movement analysis and activities](). Presented at: *Walk21: XIV International Conference on Walking and Liveable Communities*, Munich, **Germany**, 11th-13th September 2013.

Creative work creative and literary works, consulting reports, case studies

Invited exhibition

1. **Chiaradia, A. J. 1999**. 'Names of prepared delays', Chelsea School of Art & Design, London, **UK**, 3 weeks, March. 30 small, medium, very large drawings

2. **Chiaradia, A. J. 1996.** '2 Rooms for 2 Columns', Wacker- Kunst. Frankfurt, **Germany**, 4 weeks, October. Architectural Installation, mixed medias, 2 x 4m x 4m. *Reviews: Muller M. (1996), '2 Rooms for 2 Columns', Wacker_ Kunst Catalog, Frankfurt, Germany; Muller M. (1996), 'Un/Mittle/Bar', Versus Nº4, Darmstadt, Germany.*

3. **Chiaradia, A. J.** & Yacoub, P., **1996**. 'Choubada', French Cultural Institute, Beirut, **Lebanon**. 4 weeks, September. Multi-scale furniture pieces, 3 chairs, 1 room chair, mixed medias.

4. **Chiaradia, A. J., 1996**. 'What did Bloom', Espace d'Art, architectural gallery, Paris, **France**. 8 weeks, mid-November-mid-January. Manipulated texts. Group exhibition with Diller Scofidio, Thom Maine, Dumb Type.

5. **Chiaradia, A. J.,** Miller, S., **1995**. 'Archive', Museum of Installation, London, **UK**. 3 weeks, June. Furniture installation, 25 pieces and large screen projections.

6. Bunschoten, R., **Chiaradia, A.J., 1995**. 'The Skin of the Earth', Culture Open House, Linz, **Austria**. 4 weeks, April. With R. Bunschoten. Architectural Installation, 7 small pieces, cast ferro-cement (cfc), drawings.

7. Bunschoten, R., **Chiaradia, A.J., 1995**. 'The Skin of the Earth', Design Museum, Zurich, **Switzerland**. 8 weeks, Nov. & Dec. With R. Bunschoten. Installation, 7 small pieces, (cfc), drawings, photographs

8. Bunschoten, R., **Chiaradia, A.J., 1995**. 'Spreebogen Competition', AEDES, architectural gallery, Berlin, **Germany**. 4 weeks, August. Competition entry presentation; large drawings and one model

9. **Chiaradia, A. J**., Sbrigglio, J., **1993**. 'Periphery's periphery', Castle Sant Elmo. Naples, **Italy**. 2 weeks, July. Very large drawings. Group exhibition with David Chipperfield.

10. Bunschoten, R., **Chiaradia, A.J., 1993**. 'The Skin of the Earth', ROM, Architectural gallery, Oslo, **Norway**. 4 weeks, September. Architectural installation, 1 large, 9 small pieces, (cfc), drawings, photographs

11. Bunschoten, R., **Chiaradia, A.J., 1992**. 'The Skin of the Earth', ARCAM, Architectural gallery. Amsterdam, **The Netherlands**. 3 weeks, April. Installation, 3 small pieces, (cfc), drawings, photographs. *Reviews: van Stralen M., 'The architect as super dilettante', Forum, No. 36/1, pp. 5-8, Amsterdam, **The Netherlands.** ISSN 0015 83 72 ISBN 90 74315 02 X; van den Bergh W., 'Artificer in the space between 'Idea' and 'Concept'' Forum, No. 36/1, pp. 62-69, Amsterdam, **The Netherlands.** ISSN 0015 83 72 ISBN 90 74315 02 X*

12. Bunschoten, R., **Chiaradia, A.J., 1992**. 'The Skin of the Earth', CARTIER Foundation. Paris, **France**. 12 weeks, summer. Architectural installation, 3 small, 3 large pieces, (cfc), drawings, photographs. *Review: Evans E., 'Machines d' Architecture', AA Files No. 24, Autumn 92, pp. 86-93, London, **UK**. ISSN 0261 6823*

13. Bunschoten, R., **Chiaradia, A.J., 1992**. 'The Skin of the Earth', Architectural Association gallery. London, **UK**. 4 weeks Jan-Feb. Installation, 5 medium pieces, (cfc), drawings, photographs.

14. Bunschoten, R., **Chiaradia, A.J., 1991**. 'The Skin of the Earth', FEINSTER, Architectural gallery. Frankfurt, **Germany**. 4 weeks, November. With R. Installation, 1 large, 9 small pieces, (cfc), drawings, photographs

15. Bunschoten, R., **Chiaradia, A.J., 1991**. 'The Skin of the Earth', IMAGINATION, Architectural gallery. Tokyo, **Japan**. 3 weeks, Mai. Architectural installation, 1 large, 3 small pieces, (cfc), drawings, photographs. *Review: Periton D., 'The Skin of Earth, a dissolution in fifteen parts', AA Files No. 23, Summer 92, pp. 97-98, London. ISSN 0261 6823*

16. Bunschoten, R., **Chiaradia, A.J., 1991**. 'The Skin of the Earth', Russian Architect Institute, Moscow, **Russia**. 4 weeks, October. Architectural installation, 23 s, m, l, xl pieces, (cfc), drawings, texts. *Featured in: N. de Oliveira, N. Oxley, M. Petry, 'Skin of the Earth', Installation Art, Thames and Hudson, p.164, 1994, London, **UK**. ISBN 0-500 23672-0*

17. Bunschoten, R., **Chiaradia, A.J., 1989**. 'Planet Field, a square', Architectural Association gallery. London, **UK**. 4 weeks, February. Architectural installation, 5 medium pieces, (cfc), drawings, photographs

18. Bunschoten, R., Racz, D., **Chiaradia, A.J., 1989**. 'Soul's Cycle', 'Architecture & Imagination', Asperen, **The Netherlands**. 16 weeks-summer. Architectural installation, 30 s, m, l, xl spheres, (cfc). Group exhibition: Aldo Rossi, Daniel Libeskind, Peter Wilson.

19. **Chiaradia, A. J.,** Kilian, A., **1986**. 'Le Corbusier 1886-1986', School of Architecture, Marseilles, **France**. 4 weeks. June. With A. Kilian. Architectural installation, 3m x 3m x 6m, mixed medias.

Selected research based consultancy report

Note: if multiple contracts, contract value sum is the total for all the contracts. I played a leading / directing role in all of these.

Regional planning

1. 2011-14 at dEp. Business to Business Consultant for various clients, with Wedderburn, Imagine Places, Colin Buchanan. Total contract values approximately **£17,000.**

2. 2011-13 at dEp, Local Planning Authorities' spatial design profiling and spatial development with values contours scenario appraisal for **St. Quentin en Yvelines association of 8 municipalities (150,000 inhabitants), Paris, France. £ 90,000**

3. 2009 at dEp, policies analysis and business case for sharing resources and services across the North London Strategic Alliance (NLSA) for **London Borough (LB**) **of Haringey. £ 5,000**

4. 2008-09 at Space Syntax Ltd, Local Development Framework Infrastructure Delivery Plan spatial baseline & investment scenario appraisal, for **LB Croydon**. **£ 50,000**.

5. 2008-09 at Space Syntax Ltd, work on the Local Development Framework Core strategy & Town centre spatial strategy. Spatial baseline and investment scenario recommendations and appraisal for **LB Tower Hamlets**. **£ 30,000**. *This project recognised as exemplar by CABE (Commission for Architecture and the Built Environment).*

6. 2007 at Space Syntax Ltd, Executive Advisor on 15 year Public Realm Strategy with Alan Baxter Associates for **the Greater London Authority**. **£3,000**

7. 2008-09 at Space Syntax Ltd, work on Local Development Framework Core strategy. Spatial baseline, investment scenario recommendations and appraisal, for **LB Croydon. £ 30,000.**

Area Action and Town Centre Planning

8. 2007 at Space Syntax Ltd, work on the Croydon Metropolitan Area Action Plan (AAP) and Supplementary Planning Guidance for Town Centre (TCSPD), for **LB Croydon. £ 48,000**

9. 2007 at Space Syntax Ltd, work on the Ealing Metropolitan TCSPD for **LB Ealing. £32,000**

10. 2007 at Space Syntax Ltd, Oxford West End, Oxpens Square, AAP. Oxfordshire County Council & Oxford City Council. **£52,000**

11. 2007 at Space Syntax Ltd, Walthamstow Town Major Centre AAP for **LB Waltham Forest. £36,000**.

12. 2006 at Space Syntax Ltd, Ilford Town Metropolitan Centre, AAP, **LB Redbridge. £12,000**

Urban extensions

13. 2009 at Space Syntax Ltd, Bordon (selected as eco-town) for **Hampshire County Council and East Hampshire District Council. £39,000**

14. 2006-08 at Space Syntax Ltd, Romsey, for **Hampshire County Council. £27,000**

15. 2007 at Space Syntax Ltd, Ellon, for **Aberdeen City Council. £18,000,** *Scottish Awards for Quality in Planning and Designing Places Award 2008*

16. 2006 at Space Syntax Ltd, Aldershot, for **Hampshire County Council and Rushmoor Borough Council. £55,000.**

17. 2006 at Space Syntax Ltd, Lincoln, for **Lincoln City Council. £37,000.**

Other masterplans for UK local authorities, various projects

TOTAL CONTRACT VALUES APPROXIMATELY **£120, 000**

18. 2005-08 at Space Syntax Ltd, Chinatown for **Westminster City Council**

19. 2005-08 at Space Syntax Ltd, Streatham High Street for **LB Lambeth**

20. 2005-08 at Space Syntax Ltd, Sydenham High Street for **LB Lewisham**

21. 2005-08 at Space Syntax Ltd, Borough Road for **LB Southwark**

Cultural and university masterplans

TOTAL CONTRACT VALUES £ **160,000**

22. 2005 at Space Syntax Ltd. London, UK, Tate Modern masterplan, for Herzog & de Meuron.

23. 2004 at Space Syntax Ltd. Phoenix, Arizona State University masterplan for Foster & Partners.

24. 2004 at Space Syntax Ltd. Boston, Harvard, USA. Harvard University masterplan for Foster & Partners.

25. 2004 at Space Syntax Ltd. Beijing, PRC, Beijing National Museum masterplan for Foster & Partners.

26. 2004 at Space Syntax Ltd. London, UK, UCL campus for Terry Farrell & Partners

27. 2003 at Space Syntax Ltd. Milan, Italy, Milan Ex-Fair masterplan for Foster & Partners, and Gehry & Partners.

Technical director on other projects

These are projects in the urban design or planning where I was not involved as project director, but provided specialist advices based my knowledge of transport planning and modelling and network design research for strategic modelling at initial design stages of large scale road and light rail transit (LRT) infrastructure. For example I directed all the motorway analysis and case study simulations for the Jeddah Municipality project. I also developed "city scan", a systematic multi-dimensional analysis of urban forms, land use and accessibility at local level, initially established in London that became a standard service offering of Space Syntax Limited.

TOTAL CONTRACT VALUES AT LEAST **£1.6 MILLION**

28. 2005-09 at Space Syntax Ltd, Germany, various masterplans

29. 2005-09 at Space Syntax Ltd, City wide spatial plan and detailed plan, Jeddah Municipality, Saudi Arabia.

Patents, agreements, assignment and companies

This section primarily discusses my work on software development and related IP issues. Over the last 20 years I have directed the development of software as teaching and consultancy tools which led to the development of sDNA and sDNA+. sDNA is a freeware while sDNA+ is a licensable commercial software. sDNA+ royalties are assigned as (dep XX% and XX% University College Cardiff Limited "UC3"). dEp is wholly own by Alain Chiaradia. sDNA+ royalties are then shared by Alain Chiaradia (XX%), Crispin Cooper (XX%), Chris Webster (XX%) and UC3 (XX%). The sDNA and sDNA IP have been assigned to UC3. sDNA+ has been bought by large consultancies (ARUP, WSP). See applied research and knowledge transfer.

1. 2011-current: Spatial Design Network Analysis sDNA for ESRI ArcGIS 10.x and Autodesk Autocad 201x and QGIS. Cardiff University, School of City and Regional Planning. Sustainable Place Research Institute. Software development leader with Cooper C. software developer. sDNA step evolves the space syntax spatial design analysis with original feature conceived by AC:
   a. use of industry standard representation (link and node)
   b. resolution of MAUP issues for spatial analysis on network,
   c. new set control measures related to network design
   d. new set of spatial analysis related to measuring spatial severance

   sDNA is a strategic Land Use and Transport Interaction (LUTI) modelling environment with the originality of taking into consideration the complete network, instead of skeleton network. It is used at early urban planning and design stage to macro-micro locate land use type and their intensity. Accounting for the relationship between land use and transport interaction through multi-scale accessibility analysis, sDNA enable designer to make design decision that despite a low level of data requirement are aligned with sustainable urban form objectives. Beyond this early design stage traditional LUTI can be used. In post processing LUTI model can be informed by sDNA output:
   a. to explicitly take into account of the geometry of the urban environment whether existing or planned (2D, 3D) over time and compare values vs cost.
   b. to account for pedestrian, cyclist (sustainable mode of transport) along with car driver behaviour and public transport access points location in the same framework.

2. 2007-09: Space Syntax spatial modelling: initiated and led the first large scale (Greater South East of England) operational use of road centre line replacing the laborious axial map production. It

involved various methodological and software developments including grid computing. The methodologies and software scripting were developed by Jorge Gil now at TUDelft and Eva Friedrich now at Future Cities Laboratory Singapore-ETH and Flux.io in collaboration with Alasdair Turner, the initial developer of Depthmap; the "official" space syntax software. See Chiaradia, A., Schwander, C., Gil, J., Friedrich, E. 2008.

3. 2004-07: Developed the concepts, methodologies, testing and services of spatial design measures to unpack space syntax synthetic indicators. These spatial design measures were embedded in the software Confeego. The aim was to use spatial design indicators that built up an intuitive understanding of space syntax indicators for urban designer and architects. These spatial measures are now core of the spatial analysis called "city scan". The software scripting was developed by Jorge Gil and Chris Stutz. http://discovery.ucl.ac.uk/1416963/
Confeego was used until 2015 when it was replaced with QGIS space syntax toolkit developed by Jorge Gil for UCL.

4. 1996-97: Developed the concept, the teaching methodology and materials for the use of a parametric generative 3D sketching/prototyping software plug-in for Autocad (eKora). Software scripting developed by John Prentice. The software was introduced by mean of workshops/formalised course to 2nd, 3rd, 4th, 5th year students in architecture, Kingston University, School of Architecture. Subsequently eKora was used by students at various universities. http://jadp.co.uk/ekora.htm

Other outputs

Articles such as those in professional journals

1. Webster, C.J., **Chiaradia, A.J.F.,** Gallacher, J., Huang, J., Jiang, B., Kumari, S., Melbourne, S.J., Ni, M.Y., Pryor, M.R., Sarkar, C. and Sullivan, W.C., 2016. Being more precise about the 'smart' in Smart Cities. *規劃與拓展*.

2. **Chiaradia, A.J., 2014**, From the syntax of space to spatial DNA, *Connection, The Architecture and design journal of the young architects forum*. 12(2) p. 8. **USA.** http://www.aia.org/aiaucmp/groups/ek_members/documents/pdf/aiab101883.pdf

3. **Chiaradia, A.J.,** and Sieh, L. **2014**, Intelligence in the city, *Adjacent Government.* pp.23-24. http://www.adjacentgovernment.co.uk/lg-edition-002/intelligence-in-the-city/ **Web publication**

4. **Chiaradia, A. J.** and Koch, A. 2013. Urban design gold dust. *Urban Design* 126, pp. 1-15. London, **UK**.

5. **Chiaradia, A.J.,** and Tobari, E. **2009**. Cost of Crime and Space Design. *City Planning Review* 58(6), pp. 90. Tokyo, **Japan**.

6. **Chiaradia, A. J. 2009**. Spatial Design Economies. *Architectural Design* 79(4), pp. 80-85. (10.1002/ad.921) London, **UK**.

7. Yacoub, P. and **Chiaradia, A. J. 1996**. 'Flooded City' + an algorithm. *Architectural Design* (121), pp. 23-23. London, **UK**.

8. **Chiaradia, A.J.,** and Yacoub, P. **1994**. Autopsie d'une ville inondée. *Techniques et Architecture* (416), pp. 88-89. Paris, **France**. (Published in French)

9. **Chiaradia, A.J.,** and Yacoub, P. **1994**. Sim City. *AA Files - Annals of the Architectural Association School of Architecture* (28), pp. 86-89. London, **UK**.

10. Bunschoten, R. and **Chiaradia, A. J. 1992**. Design for the lay-out of a public square, Leerdam. *Forum - Driemaandelijks Tijdschrift voor Architectuur* 36(1), pp. 27-29. Amsterdam, **The Netherlands** (Published in Dutch and in English)

11. Bunschoten, R. and **Chiaradia, A. J. 1992**. The Skin of the earth. *Forum - Driemaandelijks Tijdschrift voor Architectuur* 36(1), pp. 56-61. Amsterdam, **The Netherlands**. (Published in Dutch and in English)

12. Bunschoten, R. and **Chiaradia, A. J. 1992**. The Skin of the earth. *A + U - Architecture and Urbanism* 263(8), pp. 72-101. Tokyo, **Japan**. (Published in Japanese and in English).

13. Bunschoten, R., Racz, D. and **Chiaradia, A. J. 1992**. Soul's Cycle. *A + U - Architecture and Urbanism* 263(8), pp. 52-71. Tokyo, **Japan**. (Published in Japanese and in English).

14. Bunschoten, R. and **Chiaradia, A. J. 1992**. The Skin of the earth. *B: Arkitekturtidsskrift = Architectural magazine* 49, pp. 32-53. **Denmark.** (Published in Danish and in English).

15. Bunschoten, R., Racz, D. and **Chiaradia, A. J. 1992**. Soul's Cycle. *B: Arkitekturtidsskrift = Architectural magazine* 49, pp. 10-21. **Denmark**. (Published in Danish and in English).

16. Bunschoten, R. and **Chiaradia, A. J. 1991**. The Skin of the earth. *AA Files - Annals of the Architectural Association School of Architecture* 21, pp. 55-59. London. **UK.**

Design projects in architectural practice

17. Floor plan and flat layout architect 1989. St. Catherin Docks, London, UK.

18. Project architect 1989. 10+3 underground floors mixed use & residential building (50 flats, office and commercial floor, underground parking), Marseille, France.

19. Project architect 1988. Office building, 800 m2, Marseille, France

20. Project architect 1988. Office building, 5,000 m2, Martigues, France

21. Façade architect 1987. 120 Flats, Marseille, France

22. Facade architect, 1987. 90 detached, semi-detached, and terrace houses, Martigues, France.

2. Editorship, invited lectures, keynote speeches, referee of research proposals

Referee of research proposals - International

These are for academic grant applications:

1. 2014– present: **National Science Foundation, Switzerland** (SNSF)
2. 2014– present: **Social Sciences and Humanities Research Council of Canada** (SSHRC)
3. 2013– present: **Hong Kong Research Grant Council**.
4. 2008– present: **National Research Agency, France** (ANR)

Advisory research panel – UK

Note: in both, BOTH academic and professional (P) spheres

1. 2008 (p) **Advisory panel member** for **Design for London / London Development Agency / Greater London Authority / MVA**, on 'Valuing Urban Realm' project.
2. 2008 **Expert panel member** on '**EPSRC** knowledge exchange project 'History and Multi-Scale Masterplanning' on the evolution of Chinese cities at UCL, project value £ 536,371.
3. 2007-09 **Expert panel member** EPSRC project, Successful suburban town centre at UCL (PI Prof. Laura Vaughan) project value £ 566,000 funded by EPSRC
4. 2006 **(p) Advisory panel member** Commission for the Built Environment (CABE) for the project 'Values in the built environment, Young Foundation'.
5. 2005–07 **(p) Design review panel member** London Borough of Southwark, Design Panel.
6. 2006 **(p) Advisory panel member** Joseph Rowntree Foundation for the project 'Public domain, people make places, Demos'.

3. Invited/plenary/keynote lectures in international/regional conferences

Invited lecture

1. **Chiaradia, A. J. 2015**. Urban design strategies - New York. Presented at: *The values of urban design*, Tongji University, CAUP, Shanghai, **PRC**, 7th May – 4th June 2015.

2. **Chiaradia, A. J. 2015**. Urban design strategies - Vancouver. Presented at: *The values of urban design*, Tongji University, CAUP, Shanghai, **PRC**, 7th May – 4th June 2015

3. **Chiaradia, A. J. 2015**. Urban design strategies - Paris. Presented at: *The values of urban design*, Tongji University, CAUP, Shanghai, **PRC**, 7th May – 4th June 2015.

4. **Chiaradia, A. J. 2015**. Urban design strategies - Shanghai. Presented at: *The values of urban design*, Tongji University, CAUP, Shanghai, **PRC**, 7th May – 4th June 2015.

5. **Chiaradia, A. J.** and Cooper, C. **2014**. Health & green infrastructure. Presented at: *sDNA Workshop - The urban design dimensions of planning*, Gazi University, Department of City and Regional Planning, Ankara, 10-12 September 2014. **Turkey**.

6. **Chiaradia, A. J.** and Cooper, C. **2014**. Economic development (education & entrepreneurship). Presented at: *sDNA Workshop - The urban design dimensions of planning*, Gazi University, Department of City and Regional Planning, Ankara, 10th-12th September 2014. **Turkey**.

7. **Chiaradia, A. J.** and Cooper, C. **2014.** Sustainable transport | Part II (meso-micro) – node and place, link and place. Presented at: *sDNA Workshop - The urban design dimensions of planning*, Gazi University, Department of City and Regional Planning, Ankara, 10th-12th September 2014. **Turkey**.

8. **Chiaradia, A. J.** and Cooper, C. **2014.** Sustainable transport | Part I (macro-meso) – networks. Presented at: *sDNA Workshop - The urban design dimensions of planning*, Gazi University, Department of City and Regional Planning, Ankara, 10th-12th September 2014. **Turkey**.

9. **Chiaradia, A. J. 2014**. Sustainable transport | Part I (macro-meso) – networks. Presented at: *The urban design dimensions of planning*, Tongji University, CAUP, Shanghai, **PRC**, 8th May – 5th June 2014

10. **Chiaradia, A. J. 2014**. Sustainable transport | Part II (meso-micro) – node and place, link and place. Presented at: *The urban design dimensions of planning*, Tongji University, CAUP, Shanghai, **PRC**, 8th May – 5th June 2014.

11. **Chiaradia, A. J. 2014**. Health & green infrastructure. Presented at: *The urban design dimensions of planning*, Tongji University, CAUP, Shanghai, **PRC**, 8th May – 5th June 2014.

12. **Chiaradia, A. J. 2014**. Economic development (education & entrepreneurship). Presented at: *The urban design dimensions of planning*, Tongji University, Shanghai, **PRC**, 8th May – 5th June 2014.

13. **Chiaradia, A. J. 2014**. The value of design. Presented at: *Hong Kong University*, **Hong Kong**, 16th April 2014.

14. **Chiaradia, A. J. 2013**. Large complex multilevel areas: an agenda. Presented at: *Space Syntax from Within and Without*, Tongji University, Shanghai, **PRC**, 14th March - 3 April 2013.

15. **Chiaradia, A. J. 2013**. After space syntax. Presented at: *Space Syntax from Within and Without*, Tongji University, CAUP, Shanghai, **PRC**, 14th March – 3rd April 2013.

16. **Chiaradia, A. J. 2013**. Looking back, issues mapping knowable space. Presented at: *Space Syntax from Within and Without*, Tongji University, CAUP, Shanghai, **PRC**, 14th March – 3rd April 2013.

17. **Chiaradia, A. J. 2013**. Intelligibility in space syntax maze. Presented at: *Space Syntax from Within and Without*, Tongji University, CAUP, Shanghai, **PRC**, 14th March – 3rd April 2013.

18. **Chiaradia, A. J. 2010**. Spatial design planning: High Street in Greater London Commission for Architecture and the Built Environment (CABE, **UK**) – invited seminar.

19. **Chiaradia, A. J. 2009**. 'Measuring spatial agglomeration on network'. Urban and Regional Economics Seminar, Centre for Economic Performance, The London School of Economics and political Science, Spatial Economic Research Centre. February 13th London, **UK**.

20. **Chiaradia, A. J. 2009**. Property price and spatial network design analyses. Centre for Spatial Information Science, University of Tokyo, **Japan**. Professor Yasushi Asami.

21. **Chiaradia, A. J. 2009**. Traffic distribution and spatial network design. Centre for Cooperative Research - Institute of Industrial Science, University of Tokyo, **Japan**. Professor Masao Kuwahara

22. **Chiaradia, A. J. 2008**. Spatial network design analyses. University of Tokyo, **Japan**. Centre for Cooperative Research - Institute of Industrial Science. Professor Masao Kuwahara.

23. **Chiaradia, A. J. 2008**. Space matters. Tongji University, CAUP, Shanghai, **PRC**.

24. **Chiaradia, A. J. 2008**. Space matters. Zhejiang University, College of Civil Engineering and Architecture, Hangzhou, Zhejiang Province, **PRC**.

25. **Chiaradia, A. J. 2008**. Space matters. China Academy of Art, Hangzhou, **PRC**.

26. **Chiaradia, A. J. 2008**. Space matters. Chongqing University, Architecture and Construction College, Shapingba, Chongqing, **PRC**.

27. **Chiaradia, A. J. 2008**. Spatial network design analyses and land use distribution. Université Paris 1 Panthéon, Paris, **France** – Sorbonne, Institut de Géographie, Centre de Recherche sur les Réseaux, l'Industrie et l'Aménagement (CRIA), with Professeur Gabriel Dupuy

28. **Chiaradia, A. J. 2008**. Spatial network design analyses and land use distribution. Université de Marne la Vallée, Laboratoire Ville Mobilité Transport (ENPC, INRETS and UMLV), Paris, **France**. Prof. Jean Laterrasse.

29. **Chiaradia, A. J. 2008**. UK planning system vs French planning system. Commission for Architecture and the Built Environment (CABE, **UK**) – invited seminar.

30. **Chiaradia, A. J. 2007**. Speed and European city urbanism. Presented at: *4th International Seminar on Urbanism and Urbanization (ISUU)*, Delft, **The Netherlands**, 24-27 September 2007.

31. **Chiaradia, A. J. 2007**. Tallinn University, Estonian Academy of Arts, Department of Architecture, MA in Urban Studies. Conference, intensive course and workshop. Tallinn, **Estonia**. January 9-19 - Modelling Urban Space and Process with Prof. Panu Lehtovuori, Mauri Kaipainen, Ülar Mark, Anssi Joutsiniemi and Prof. Rein Ahas.

32. **Chiaradia, A. J. 2000**. 'Friche à l'œuvre'. Ecole Supérieure Nationale des Beaux Arts, Grenoble, **France**.

33. **Chiaradia, A. J. 1999**. 'Action, research, teaching & IT'. 2nd International Seminar, Maison des Sciences de l'Homme. Grenoble, **France**.

34. **Chiaradia, A. J. 1999**. Architectural Association, School of Architecture, London. Intermediate School Lecture Series, London, **UK**.

35. **Chiaradia, A. J. 1999**. Royal College of Art, London. MA architecture Lecture Series. London, **UK**.

36. **Chiaradia, A. J. 1999**. 'Architecture what for?' Architectural Association, School of Architecture, London, **UK**. Diploma Lecture Series,

37. **Chiaradia, A. J. 1998**. 'Sketching myths and practices, 3D Sketching'. 4th Design & Decision Support System, International Conference in Architecture & Urban Planning Eidhoven University of Technology, Maastrich, **The Netherlands.**

38. **Chiaradia, A. J. 1998**. 'Sketching myths and practices, 3D Sketching'. International Annual Design History Society Conference. Huddersfield University, **UK**. 'Design Innovation: conception to Consumption'

39. **Chiaradia, A. J. 1997**. Architectural Association, School of Architecture, London, **UK**. 'Exes' 150th AA anniversary

40.   **Chiaradia, A. J. 1997**. 'Para urbanism, decentralised design'. Greek Ministry of Environment - French Cultural Institute, Athens, **Greece**.

41.   **Chiaradia, A. J. 1996.** 'The Creative City' International Conference on Urban Design and the Information Society. University of Art and Design (UIAH). Helsinki, **Finland**. 'Events Design for Delayed Architecture' with Geoff Mulgan, Peter Hall, Bert Mulder, Charles Landry.

42.   **Chiaradia, A. J. 1995.** 'Chance, Flow, Politics of Water'. Städelschule Architekturklasse, Frankfurt, **Germany**. Lecture Series.

43.   **Chiaradia, A. J. 1995.** 'Chance, Flow, Politics of Water'. Berlage Institute of Architecture, Amsterdam, **The Netherlands**. Lecture Series.

44.   **Chiaradia, A. J. 1995.** 'SimCity'. Royal Academy of Arts, London. 'Edge City' Symposium. London, **UK**.

Keynote speeches

1.   **Chiaradia, A.J.** and Koch, A. **2012**. Urban design gold dust. Presented at: *National Conference on Urban Design 2012: The Value of Urban Design*, Oxford, **UK**, 18-20 October 2012. [PDF]

2.   **Chiaradia, A. J. 2010.** Station usage, patterns and layouts, what we can learn from place planning systems? Presented at: *UK Rail Stations 2010: Architecture, Re-modelling and Place Planning,* London, **UK**. 24th Feb.

3.   **Chiaradia, A. J. 2008.** Integrating CBD. World Business District Summit for Sustainable development 14th-15th February. EPAD. La Défense Paris, **France**.

4.   **Chiaradia, A. J. 2008**. What roles for planners? Société Française des Urbanistes, Deutsche Akademie fur Stadtebau und Landesplanung. From the Leipzig Charter to a common European sustainability framework. Epamarne-Epafrance – Paris Marne la Vallée, **France**. 13th June. WS 2: Networking for sustainable European cities.

5.   **Chiaradia, A. J. 2007**. The Parliamentary Advisory Council for Transport Safety, February 13th. Planning Safer Street. London, **UK**, January 31st

6.   **Chiaradia, A. J. 2007**. Rénovation de Quartiers d'Habitat et Diversification, Expérience en France et à l'Etranger. Foncière Logement, Paris, **France**. January 4-6th.

7.   **Chiaradia, A. J. 2005**. Le Projet de réaménagement du grand ensemble d'habitat social Elephant and Castle à Londres. Presented at: *9e Université d'été du CFDU*, 25-27 August 2004, Toulouse, **France**. *Published in: Perraudin, B. ed. L'Europe des urbanismes, Cultures et pratiques du projet, 9e université d'été du CFDU, 25, 26 et 27 août 2004, Toulouse. Débats (CERTU), Vol. 43. Lyon, **France**: CERTU, pp. 132-139.*

4. External competitive research grants

Research and funding capture

*These are peer reviewed competitive research grants as **Principal Investigator (PI), Co-investigator (CI)***

TOTAL VALUE OF RESEARCH GRANTS AND INCOME: **£2 million, of which £1.2 million was held as PI.**

WHEN, WHAT, WHERE HELD	FUNDER AND SIZE OF GRANT	ROLE
1. 2015 **sDNA for All** at Cardiff University. in collaboration with Arup, WSP International, Buro Happold, Sustrans and three European local authorities.	**£55,000** Economic and Social Research Council (ESRC) Impact Acceleration Account grant programme	PI
2. 2014 **Spatial design Network Analysis 3D Software development** at Cardiff University	**£20,000.** Hong Kong University	PI

3.	2013-15 *WHealth modelling: an individual-based methodology for measuring the Health and Wealth of cities* at Cardiff University	**£248,000** UK ESRC under the 'Transforming' Social Science programme	CI
4.	2013-16 *The Impact of Spatial Configuration of Cities on Urban Growth and Retail Performance: Evidence from Spatial Networks of Istanbul and Ankara* Cardiff University with Gazi University and Istanbul City University, Turkey	**£34,000** Scientific and Technological Research Council of Turkey	CI
5.	2009-2012 *sDNA Software development at Cardiff University*	**£ 30,000** pump-prime funding from Cardiff University	PI
6.	2007-09 *i-VALUL 'The intangible VALues of Urban Layout'* at University College London	**£1.2 million** UK Department for Business, Innovation & Skills (DIUS) & Higher Education Funding Council for England (HEFCE).	PI
7.	2007-09 *'Visioning and Backcasting for Transport Policy in London'* (VIBAT) at University College London	**£ 370,000** co-funded by DIUS, HEFCE and Space Syntax Ltd.	CI
8.	2007-09 *SEDUC 'Socio-Environment Degradation and urban Configuration'* at University of East London	**£ 260,000 DIUS** & HEFCE, and Space Syntax Ltd.	CI
9.	2007-10 **City History and Multi-Scale Spatial Masterplanning**	**£ 536,371 EPSRC**	CI
10.	2000-03 *'Spatial Configuration and urban social mix'* at Space Syntax / University College London	**€ 45,000 (£35,000)** Ministère de l'Equipement, des Transport et du Logement, Ministère de la Culture, France. Plan Urbanisme Construction Architecture, Paris, France	CI
11.	1995 *'Linz Studies' research* grant at the AA	**£ 66,000** Stiching Fonds voor de Beeldende Kunsten, The Netherlands.	CI
12.	1995 *'Urban Flotsam'* publication grant at the Architectural Association School of Architecture (AA),	**£ 15,000** Stiching Fonds voor de Beeldende Kunsten, The Netherlands.	CI
13.	1990-92 *'The Skin of the Earth'* research, publication and exhibition grant at the AA	**£ 111,000** EEC Cultural Action, British Council and Stiching Fonds voor de Beeldende Kunsten, The Netherlands.	CI
14.	1989 *'Soul's Cycle'* research, publication and exhibition grant at the AA	**£ 30,000** Stiching Fonds voor de Beeldende Kunsten, The Netherlands.	CI

Research management

In addition to leading projects in previous section:

1. 2010 **Research commissioner and manager** of Verbier Green Pioneering Summit 2010 (Carbon benchmarking) for the **Prince of Wales' Foundation for Building Community**. Programme budget **£ 70,000**.

5. Evidence of excellent applied research and/or knowledge transfer

15 years of Innovation and Engagement work at University College London and Cardiff combined.

University College London, Space Syntax Limited

1. I was Executive and Board Director, Director of Operational Research at Space Syntax Limited, an international knowledge transfer company and the leader in spatial network analysis. Space Syntax Limited is a spinoff company associated with University College London, where I was also Honorary Senior Research Fellow. During my work as director I focused on working with local authorities. Projects by Space Syntax Limited underpinned by the UCL research work, have informed the local plans, strategies and planning application processes of important projects for more than ten local authorities in the UK. This is cited in UCL REF2014, http://impact.ref.ac.uk/CaseStudies/CaseStudy.aspx?Id=36904.

Cardiff University

2. At Cardiff, I have had 4 years of successful applied research and knowledge transfer work on creating, developing and testing sDNA, a new methodological platform and software for spatial network analysis using codification and data model that complies to an international standard. This was developed between September 2011 and early 2013. sDNA has since attracted £300,000 worth of funding for the University (contributing 81% of 2012-13 CPLAN RCUK funding, i.e. £198,297 from ESRC) enabled over 10 peer reviewed publications and 1 book. It is the basis of research that won the Royal Town Planning Institute national research prize in 2014, of research of at least 2 PhD theses. sDNA was the subject of the winning proposal in the Cardiff University wide i-Solve business entrepreneurship competition 2013-14, and was the main reason for the visit of the UK Cabinet Office Minister Francis Maude to Cardiff University in 2014. Since 2013, there have been more than 400 downloads of sDNA software, 75% international.

   The IP registration of sDNA with Cardiff's RIS (Research and Innovation Services) recognise my status as 'inventor' of sDNA; I am the primary beneficiary of profit share from sDNA's proceeds *before* and above the other beneficiaries. This is evidence of the centrality of my role in creating sDNA and bringing it into Cardiff University, and in enabling sDNA's use so far, in various research projects.

ARUP and WSP International

3. As part of an UK Economic and Social Research Council Impact Acceleration grant, the sDNA team is working with two 'Top Twenty Global' design consultancies (Arup and WSP International) who have bought sDNA+ license. We are working collaboratively to integrate sDNA+ in their business processes.

4. sDNA, is the basis for several international collaborations with universities in China and Turkey. I have Visiting Scholar status at Tongji, which they want to make more permanent. I am international research scholar at Gazi University of funded by the Scientific and Technological Research Council of Turkey.

Tongji University College of Architecture and Urban Planning

5. I have worked with Tongji University for a Shanghai Local Authority (1,000,000 inhabitants), simulating a new metro line alignment and station location options, local and network impacts on Shanghai metropolitan network, the largest in the world. Our presentation to Local and Metropolitan Authority was well-received.

6. I have been involved in a Shanghai regional multi-level centre active travel accessibility analysis, 2013-15, funded by the Chinese National Science Foundation.

Gazi University, Turkey

7. Carrying out a Development Sequencing Study for national Urban Transformation programme in Istanbul and Ankara, 2014-16.

D: TEACHING AND LEARNING

1. TEACHING EXPERIENCE, BY ROLE

Module / Studio Leader and curriculum developer

1. 2013-16: CPT897 (20 credits – 7 weeks): **Development Management: the urban design dimensions of planning, international comparisons**, Cardiff University *MA Urban Design (MAUD)* (26, 50 and 70 students).

2. 2013-16: **CPT887** (20 credits – 7 weeks): **Researching eco-cities Part B: the politics of eco-cities indicators.** Cardiff University *MSc. Eco-Cities* (17 and 18 students).

3. 2011-16: **CPT850/910: Studio 1/Autumn Studio** (30 credits – 11 weeks)**: High density High quality urban living in central London**. Cardiff University *MA UD* (28, 35, 26, 50, 70 students in each respective year).

4. 1997- 2002: **Module leader[2] and curriculum developer** DM5 theory and positioning Module*, MA Computer Imaging in Architecture,* at University of Westminster, Faculty of Architecture and the Built Environment, London. (8 - 16 students/year).

5. 1996-2000: **Studio leader[3] and curriculum developer** for Years 2 and 3 *BA (Hons) Interior and Spatial Design* at University of the Arts, Chelsea College of Art and Design, University of the Arts, London (12-16 students/year).

6. 1996-99: **Final year Studio leader[4] and curriculum developer**, Strategic Project Group. *National Diploma in Architecture* at Ecole Nationale Supérieure d'Architecture, Grenoble, France (14-22 students/year).

7. 1995-96: **Visiting Lecturer Design Studio,** *Optional Module in parametric generative sketching* at Kingston University, School of Architecture.

8. 1996-99: **Associate Professor,** *Core courses in the area of events design and urban strategies in a diploma in Architecture* at Ecole Nationale Superieure d'Architecture, Grenoble, France

Module / Studio Leader only

1. 2010-11: **Studio Module leader** (design project) for the 'Design in Practice Public Space Public Life Design' Module *MArch1* WSA (63 students)

2. 1995-98: **Studio Module leader** for *Year 3 BA (Hons) Architecture* at Greenwich University, School of Architecture and Landscape, (22-26 students/year).

3. 1995-96: **Studio Module leader** *Year 2 and 3 BA (Hons) Architecture* at Kingston University, School of Architecture. (26 students)

Curriculum developer and instructor

4. 2010-11: **Studio Module instructor[5] and curriculum developer** for CPT850 Urban Block and Public Spaces Design Module *MAUD* (33 students)

5. 2009-10: **Curriculum developer and instructor** on pilot course: Morphometrics for urban designers *MAUD* (14 students)

6. 1989-96: **AA Unit tutor** *AA Diploma[6]* at the Architectural Association, School of Architecture, (8-12 students/year).

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[2] This includes providing lectures and tutorials.

[3] This includes providing lectures and tutorials.

[4] This includes providing lectures and tutorials.

[5] This includes providing lectures and tutorials.

[6] The AA Diploma and other Architecture Diplomas are two year postgraduate qualifications. They are the professional equivalent of Masters Degrees; in some universities the equivalent qualification is a MA or MArch. A Diploma design thesis is equivalent to a dissertation.

Curriculum and software developer

1. 2011: *Centre for Education in the Built Environment*, complete **courseware embedding** Space Syntax spatial design analysis in GIS for Large Scale Urban design. Currently under revision to incorporate sDNA.

PhD supervision

2013-14 Co-supervisor

1. **"Florida Southern campus 'A Child of the Sun': a socio-spatial analysis of Frank Lloyd Wright's spatial language"**, with Juliet Davis at the Welsh School of Architecture (WSA).

2. **"The politics of accessibility distribution and the informal economy in a rapidly urbanising African city: case study in Lagos, Nigeria"**, with Prof. Alison Brown at Cardiff School of Planning and Geography.

2011-12 Supervisor

3. **"The analyses of the urban design dimensions of complex multi-level regional centre environment performance in Shanghai, PRC"** at Cardiff University for a visiting Chinese National Science Foundation PhD Scholar from Tongji University College of Architecture and Urban Planning, Shanghai, China.

MA / MSc / Architecture diploma supervision

1. 2014 MSc. Transport Planning (1 student).

2. 2012-14 *MA Urban Design* (4, 6, 6 students in each respective year)

3. 2008-09, *MSc Cities Design and Social Science*, Studio, London Schools of Economics and Political Science (16 students).

4. 1996-99, **Diploma design thesis advisor** at the Ecole Nationale Superieure d'Architecture, Grenoble (12-18 in each respective year).

5. 1989-96, **Diploma design thesis advisor** at the Architectural Association School of Architecture, London (8-12 in each respective year).

Postgraduate Internship supervision

1. 2012-14 **Ecole des Ingénieurs de la Ville de Paris**[7], France (2, 3, 2: students for 3 months in each respective year).

2. 2012-14 **Cardiff University MA UD graduates** (2, 2, 2: students for 3 months in each respective year).

3. 2012 **Erasmus programme: Cagliari University**, Italy (1 student), Masters dissertation received 110/110 with a study initiated in Cardiff.

4. 2012 **Erasmus programme: Sapienza University of Rome, Italy** (1 student), Masters dissertation received Summa cum laude with a study initiated in Cardiff.

Visiting critic

1. 2012 **Technical University of Munich**, as Chair of invited critics for Spatial and Territorial Development, MArch.

2. 02-08 **University College London**, Bartlett School of Architecture; Diploma and MArch Arch Design and MArch Urban Design.

3. 04-07 **University of East London**, School of Architecture; Diploma

4. 03-06 **London Metropolitan University**, School of Architecture; Diploma

5. 00-09 **Royal College of Art**, Architecture, London, UK; Masters

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[7] French urban engineer "elite" school.

6.   1995 **Harvard Graduate School of Design**, School of Architecture, USA; Masters

7.   1995 **Oxford Brookes University**, School of Architecture, UK; Diploma

8.   1994, 1996 **Rhode Island School of Design**, School of Architecture, Providence, USA; Diploma

9.   1994, 1995 **Cambridge University**, School of Architecture, Cambridge, UK; Diploma

10. 1989 **Architectural Association**, School of Architecture, London, UK.

2. Evidence of mastery of course taught

Peer Assessment of Teaching

External Examiner's Appraisal

2011-12

Dr A González Raventós, School Of Architecture Of Barcelona, Polytechnical University Of Catalonia

"The results of both Studios, 1 and 2, are very interesting."

Professor William Leslie Forsyth, University of Edinburgh, College of Art commented on the new Studio 1 module:

"The changes which have been introduced have strengthened the programme."

2012-13

Tim Gale HOK International, Urban Design Director commented:

"Studio 1 – the Barbican project is the centrepiece of the year consisting of a challenging but attainable scope of work on a real site. The results demonstrate that most students had understood the competing aspects of the brief and produced good work which they enjoyed doing."

Professor William Leslie Forsyth, University of Edinburgh, College of Art commented:

"The introduction of development finance (Studio 1) and community involvement (Studio 2) within studio projects is less common and commendable."

2013-14

Tim Gale HOK International, Urban Design Director commented:

"Studio 1 has been successfully refined by omitting individual data gathering and team work thereby allowing students to concentrate on the skills required to synthesise information and develop appropriate proposals. The Barbican project is a good focus for the investigation and application of urban design skills to a large scale urban regeneration project."

"**Development and Management** has been modified and provides an important insight to students to the varied approaches in developing policy and design briefs throughout the developed world."

Professor William Leslie Forsyth, University of Edinburgh, College of Art commented:

"The Programme has been restructured, modules have been combined and simplified, new modules have been introduced and the content of modules has been continually reviewed. This process of monitoring, reviewing, adjusting and, when necessary, making significant changes, is an undoubted strength. Members of staff are aware of the qualities that exist within the Programme and possess aspirations, which refresh and rejuvenate the components and the whole. This approach to change should be continued. Over the last four years I have asked the Programme staff to try to simplify the module objectives, learning outcomes, skills and abilities expected and assessment criteria to

a) make it easier for students to understand what is expected from them and exactly how that will be assessed and

b) to reduce the amount of marking that staff are involved in.

I strongly recommend that this process be continued."

Teaching innovations

'sDNA: Teaching with digital technology for urban networks'

I have worked with innovative digital technology in teaching starting with SimCity at the AA, the use of parametric sketching, a precursor of now current parametric design, at Kingston University and Greenwich University (See CV). I taught in the MA Digital Technology at Westminster University for more than 10 years (see CV). I continued my interest in digital technology while at Space Syntax, developing new techniques and services design (see Publications).

If the MA Urban Design is my primary focus in teaching, the sDNA is the focus of my research and innovation and engagement work (I&E). I also have considerable experience in advising urban planners and urban designers in the private and public sectors. sDNA is a software which I invented and was launched in 2013 as a methodological platform for research into spatial networks based on an international technical standard. sDNA provide is a tool to characterize places.

a. As with all good knowledge products, sDNA can be tapped for, not just research and I&E, but for teaching ends as well.

For teaching, in the past 2 years, the sDNA:

b. Has been the basis for external international workshops (See CV), for which I have been invited.
c. Training international interns
d. Use in MA UD Development Management Module from this year.

It can potentially revolutionise the modelling of spatial networks, and importantly, the teaching of urban planning and design, because it allows disambiguated characterisation of places and the use of first principles to evaluate "what if" scenarios.

'VALUING DESIGN / DESIGNING VALUE in the design studio: Innovation in teaching'

The education of architects and built environment designers is, by its very nature, a training in methods of how to generate built forms creatively often via a studio pedagogy, that is dominant in built environment design including architecture, planning, landscape and urban design. "Studio pedagogy typically '*begins with an open-ended problem, often taking account of current issues in the "real world" with "real clients," and gives students some choice in their direction within the scope of the problem. This is follows a series of structured conversations between the instructor(s), students, and often, a collection of outside experts with knowledge specific to the problem under examination'"* (Judith Grant Long, 2012)' (Chiaradia et al, submitted for publication).

When in 2011, I took over the Autumn Studio module (then known as Studio 1) in the Cardiff MA Urban Design, I applied the creative 'can do' attitude of studio teaching to the teaching of 'real estate valuation' to designers, within a design studio context.

Valuation within the Autumn Studio is innovative in a number of ways:

a. A brief survey of all UK MA Urban Design courses indicates that this is the only module in the UK that relates design and valuation in this way, while only four of the other courses teach development appraisal / property valuation at all.
b. Through a basic 'valuation' exercise, it engages students in, not just technically executing the valuation calculation, but in the consideration of social-philosophical issues which form the bedrock of urban design thinking – the creation and destruction of private and public goods.
c. Students are asked to value their own design proposals and to assess their feasibility. What is particularly innovative is that students are then asked to consider the modification of their design based on those valuations.
d. A 'case study' approach to teaching is used, much like is done in management teaching. I collected extensive property and survey data, which is provided to the students, so that their efforts are expended, not on trawling the internet for data, but in engaging with the questions of value, both public and private, and their relationships to the design proposals.
e. The development and refinement of this module since its inception has been commended by external examiners.

f. The module has consistently achieved scores of over 4.3 from students' evaluation.

A peer-reviewed article "Learning Values in Urban Design: a studio based approach" has been submitted to a leading journal, which discusses the contribution of this approach to teaching, to the wider subject of urban design. The paper is undergoing revisions, but reviewers have described it as 'important'.

Student evaluation of teaching

Student assessment of lecturer in the two MAUD modules I have led.

Criteria	Overall Average (from scale 1-5; 5 is high, 1 is low)					
	2011/12		2012/13		2013/14	
	Autumn Studio - 22/27	DM	Autumn Studio - 32/35	DM	Autumn Studio – 16/26	DM
The module was useful and informative	4.64	NA	4.53	NA	4.4	4.4
The module was valuable to my learning and knowledge development	4.64	NA	4.31	NA	4.47	4.33
I found the examination was helpful in testing my understanding of the subject matter	4.53	NA	4.33	NA	4.38	4.4
The feedback I received on my assessed work was helpful for my learning	4.45	NA	4.31	NA	4.5	4.33

Recognition of student work

Note: The standard practice in design teaching for recognising teaching excellence is the award of student prizes or the invitation to exhibit (individually or as a 'studio') or publish design work. These are design prizes, publications and exhibitions won by my students' in projects I supervised.

International recognition

1. 1998 **Venice Architecture Biennale invitation**, (*exhibition*) Events Strategies, Venice, Italy

2. 1993 **Publication**, SD, Tokyo. Diploma 2, Architectural Association, School of Architecture

3. 1990 **Design studio invited exhibition**. Architektur Forum, Gallery architecture, Zurich, **Switzerland**. Diploma 2, Architectural Association, School of Architecture

4. 1990 **Design studio invited exhibition**. Aedas, Gallerie d'architecture, Berlin, **Germany**. Diploma 2, Architectural Association, School of Architecture

5. 1990 **Design studio invited exhibition**. Rietveld Academy Exhibition, Amsterdam, **The Netherlands**. Diploma 2, Architectural Association, School of Architecture

6. 1990 **Publication**. Tomas Boga Publisher, Zurich, **Switzerland**. Diploma 2, Architectural Association, School of Architecture

7. 1990 **Publication**. Japan Architects, Tokyo, **Japan**. Diploma 2, Architectural Association, School of Architecture

8. 1990 **Publication**. B, Copenhagen, **Denmark**. Diploma 2, Architectural Association, School of Architecture

National recognition

9. 1993 **1st Prize architecture**. Royal Academy of Arts. Part 1, Greenwich University, School of Architecture & Landscape, London, **UK**.

10.   1993 **1st Prize architecture**. Royal Institute of British Architects. Part 1, Greenwich University, School of Architecture & Landscape. London, **UK**.

Institutional recognition

11.   1999 **1st, 2nd and Special Prize**. OTUA - Station téléphérique, 2 phases competition, Architectural Project. Diploma, School of Architecture, Grenoble, France.

12.   1999 **Special Prize**. Accessibilité à la culture. 2 phase-competition. Architectural Project. Diploma, School of Architecture, Grenoble, France.

13.   1999 **Design studio invited exhibition**. Maison de l'Architecture de l'Isère. Exhibition 'Le mois de l'architecture' Event Project, School of Architecture, Grenoble, France.

14.   1998 **Commendation**. Cim Béton Competition, Architectural Project. Diploma, School of Architecture, Grenoble, France.

15.   1998 **1st prize**, INPD Laboratory Competition, Architectural Project. Diploma, School of Architecture, Grenoble, France.

16.   1998 **1st Prize**, European Pole Competition, Event Project. Diploma, School of Architecture, Grenoble. France.

17.   1998 **Design Studio invited exhibition**. Exhibition 'Multiprises ' Maison de l'Architecture de l'Isère. Grenoble. France.

18.   1998-2000 **Design Studio Event Project & Urban strategy** (exhibition). Diploma, School of Architecture, Grenoble. France

E: SERVICE

Co-Programme Director - Admission

1. 2013-2016: **MA Urban Design Co Programme Director - admission**. I reduced the response time from 'indeterminate' (and often for as long as six months) to one week, noting that general choice theory states that delay may produce choice instability. Applications have increased by 12% from 367 to 412 in 2013 to 505 in 2014. While the increase may be also attributable to other factors, application-to-arrivals conversion rate has doubled from 7% to 13%. In 2014, the MAUD applications have increased by more than 20% while the rest of post graduate courses have increased by 10%. For the last 3 years the MA UD application represents 40% of all post-graduate applications of the School of Geography and Planning.

RICS coordinator

2. 2012- 2016: **School of Geography and Planning. Coordinator for the Royal Institute of Chartered Surveyors** (RICS). I was the point of contact between RICS and the School. I attended RICS national meetings on behalf of the Head of School, coordinate the collation of information and the final editing of the submitted documents for the partnership meetings. Every year the document is praised for its organisation clarity. I was instrumental in facilitating course accreditations by RICS; the number of accredited courses doubled. The annual renewals of accreditations have all been successful so far. In the interest of efficiency, the partners have agreed to my suggestion of reducing the numbers of partnership meetings from every year to three meetings every five years.

Periodic review

3. In 2014, I contributed to the **School of Geography and Planning** Periodic Review, which aimed to streamline some PGT modules. I designed an evidence-based approach for this, creating an EXCEL document containing all the details of CPLAN PGT module portfolio, organised by semester. This greatly facilitated the analysis, discussions and recommendations. The contribution was very thorough, timely, useful and well-received.

Student workload model

4. In 2012, I introduced at a **School of Geography and Planning** staff meeting, the idea of student weekly work load model to facilitate the discussion of student experience, especially in those courses where student workload is a particular problem. I have since discovered that such a tool does not exist in Cardiff nor in any of the other Russell group universities. This was recently well-received, and the Director of Learning and Teaching has committed to act on the results that the workload model has thrown up for the affected courses. This issue is particularly acute for design students. It has been taken on board by both **School of Geography and Planning** and the **Welsh School of Architecture** management.

Meetings and other duties

5. I contributed to **School of Geography and Planning** staff meeting and MA UD teaching staff meeting, University and School Open Day and other meetings.

Professional exchange

6. 2006-16: urban planning and design advisor to Better Archway Forum (BAF), London. BAF is a community group in north London with 1,000 members.

Applied research and/or knowledge transfer

See Research and Scholarship 1. (Selected research based consultancy report) and 5. (Evidence of excellent applied research and/or knowledge transfer).

F. PERSONAL DETAILS

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