Claude Saint-Arroman
Architecture Lecturer and Researcher
ARB, RIBA

Space for the Boundary, Boundary as Place
PhD Research, Goldsmiths, University London, 2010-2017

Zero Carbon Yorkshire: Buildings
15 October 2018

Architectural boundary designs:
A Journey towards Resilience
Objective of research: remediate fragmentation in design

**THE ART OF SEPARATION**

Social Compartmentalisation  
Inhibition of household sustainability  
2002

Environmental Hermeticity  
Control by machines and quantification  
2009
Objective of research: remediate fragmentation in practice

**BIM: EXTREME CASES**

Deleuze, Derrida, Guattari
Deconstructivism and Architecture
1976

Fragmented Procurement
Dissociated teams
2006

BIM as computer
Object over space
2017
Objective of research: Integrate ecological principles into design

**TO QUANTIFY OR NOT TO QUANTIFY**

Carbon Footprint and Cycles
Representational Tools
Relationality

Quality and Resilience
Footprint of Quality
Over Building’s Lifetime

Heterogeneity and Diversity
Architectural Environments
Temporality and Alchemy
Research Concept: Relationality and Binary Thinking

LOGIC vs PARADIGM

Law of The Excluded Middle
"intermediates" can reside between "contraries" only if of the same "genus"

Habits of the Mind
Adaptable Thinking Structures
Revise and Tweak

Stéphane Lupasco's Included Middle
overcomes dualism and opens a frame
that is complex and multi-dimensional
Design Application: Rethinking the Defensible Space

COMPETITION AND/WITH COLLABORATION

Hannibal Road Gardens
Peter Barber
2012

Bacton Estate
Karakusevic Carson Architects
2013

Housing North West Cambridge
5th Studio
2014
Design Application: Rethinking Planning Categories
BEYOND LIVE TRAVEL WORK PLAY

Agriculture
Ellebo Garden Room
Adam Kahn Architects, 2013

Trade/Recycle/Swap
South East London
2015

Make/Teach/Advertise
South East London
2017
Design Application: Rethinking Environmental Control
RESPOND TO TIME, WEATHER AND CIRCUMSTANCE

Consort Road, Peckham
Walter Menteth Architects
2007

Valence House Visitor Centre
Feilden Clegg Bradley
2010

Golf's Tower,
Hackenbrioch Architekten
2009
Climate and Socio-economic change cannot be predicted or averted
Hermeticity is reactive but not adaptive

POLYVALENT BOUNDARIES BETWEEN SIDES

Stéphane Lupasco (1951):
1. (Physical) Non-Identity: There is no A at a given time that is identical to A at another time.
2. Conditional Contradiction: A and non-A both exist at the same time, but only in the sense that when A is actual, non-A is potential, reciprocally and alternatively, but never to the limit of 100%.
3. Included Middle: An included or additional third element or T-state (‘T’ for ‘tiers inclus’, included third).
   (Brenner: 2010, p.251-52)

Richard Sennett (1972)
the device of ‘projected needs’ was a ruse to avoid facing the unknown in the future. What is peculiarly mechanical about this approach to time is that a majority of the planners proceeding on these lines conceive of the ‘needs’ of urbanites not in terms of known experience, but rather in terms of the urbanites’ place in an order where needs are experienced abstractedly, as part of a total function.
The Uses of Disorder, pp 80-81

Photographs extracted from
Lost London 1870-1945
By Philip Davies (2013), English Heritage
Already in the making:

CREATIVE MEETING OF PARTS

Chayley Collis, Communications Manager
Facilitating fertilisation between people from different disciplines

Nicholas Heath, STBA
Diversifying strategies to suit existing conditions and their own merits

Chris Herring, Green Building Store
Sharing difficulties alongside success stories

Tony Herrmann, COGS
Uncovering assets in communities considered to be deprived

Nicola O’Connor, Mandarin Research
Creating an infrastructure to join up isolated disciplines and ways of thinking

Jonathan Wilson, CITU
Alleviating schisms between building trades through mutual learning and building