

# arcc

# feeling good

## FOUNDATION

# Visual Spectacle & Tactile Texture of Urban Places

### ANDREW HARLAND

BEAUTY OR BIOPHILIA?

### PAT BROWN

GREEN INFRASTRUCTURE POTENTIALS  
- DESIGN PEDAGOGY IN THE FIELD

LDA DESIGN

HOW DO WE DESIGN BETTER?  
AND WHAT DOES THAT LOOK LIKE...

**BIOPHILIA**  
... IS PEOPLE'S INNATE CONNECTION TO NATURE THAT IS VITAL TO MAINTAIN HEALTH & WELLBEING



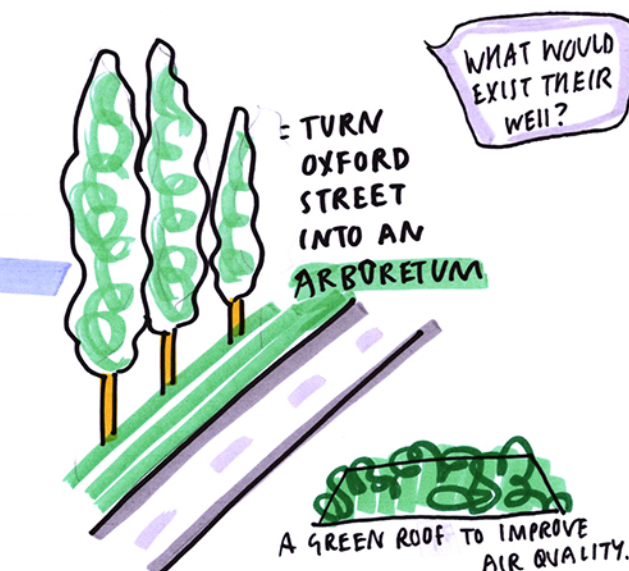
**BIOPHILIC DESIGN BENEFITS**  
- PHYSIOLOGICAL WELLBEING  
- COGNITIVE PERFORMANCE  
- PSYCHOLOGICAL WELLBEING

WE PREFER PUBLIC SPACES WHICH SHOW THE USUAL INTERVENTIONS WITH LESS PEOPLE

THE OLYMPIC PARK IS AWAITING A COMMUNITY TO FILL IT!

**KINGSTON UNIVERSITY + ARUP**  
CITIES ALIVE BRIEF

WE BROUGHT TOGETHER STUDENTS FROM DIFFERENT SPECIALISMS TO REIMAGINE OXFORD STREET IN THE CONTEXT OF GREEN INFRASTRUCTURE POTENTIAL!



DIVERSE EXPERIENCES BRING DIFFERENT POINTS OF VIEWS AND SKILLS.

**14 PATTERNS OF BIOPHILIC DESIGN**

**THE CHALLENGE OF CLIMATE CHANGE**  
- SPECIES DISPLACEMENT & HABITAT LOSS  
- LOSS OF CHARACTER AND SENSE OF PLACE  
- URBAN HEAT ISLAND  
- INCREASED LAND PRESSURES  
- INCREASED HUMAN MIGRATION

**RESILIENT BIOPHILIC ENVIRONMENTS**

- CLIMATE ADAPTIVE PLANT SPECIES
- MATERIALS
- MONITORING & MANAGEMENT PROGRAMMES
- INCLUSIVE BIOPHILIC DESIGN
- MICRO RESTORATIVE GREEN SPACE NETWORKS
- INTEGRATED (41)

WE ARE RAISING A GENERATION WHERE THE ENVIRONMENT ARE VERY DIFFERENT

WE NEED DESIGN INTERVENTIONS AND RESPACE SOLUTIONS

### DR POLLY DALTON

OUT OF SIGHT OUT OF TOUCH?  
HOW ATTENTION SHAPES OUR VISUAL AND TACTILE EXPERIENCE

FOLLOW THE COIN



THIS IS CALLED ATTENTIONAL BLINDNESS

**SELECTIVE ATTENTION**

WHAT YOU PAY ATTENTION TO IS ESSENTIAL TO YOUR EXPERIENCE OF ANY ENVIRONMENT!

ROYAL HOLLOWAY



WE'VE BEEN WORKING WITH THE AVIATIONAL AND AIRWAY WORLD

# TACTILE TEXTURE OF URBAN PLACES



WHY DO WE NEED BIOPHILIC ENVIRONMENTS?  
AREAS WITH BIOPHILIC DESIGN HAVE PROVEN TO LOWER LEVELS OF VIOLENCE, INCREASE SOCIAL COHESION AND QUICKEN HEALING TIMES IN HOSPITALS!

**THE MISSING LINK IN SUSTAINABILITY?**

"WE WILL NOT FIGHT TO SAVE WHAT WE DO NOT LOVE." - STEPHEN JAY SAULD

### ANITA KONRAN

CLIMATE PROOFING SOCIAL HOUSING LANDSCAPES  
ENHANCING COMMUNITY RESILIENCE

**GROUNDWORK**

AN ENVIRONMENTAL & REGENERATION CHARITY



**OBJECTIVES**

- DESIGN & RETRIBUTION AFFORDABLE AND SOCIALLY ACCEPTABLE NATURE-BASED ADAPTATION MEASURES IN SOCIAL HOUSING LANDSCAPES
- TEST SOLUTIONS IN 3 DIFFERENT TYPES OF SOCIAL HOUSING SETTINGS
- IMPLEMENT MAIN MEASURES THROUGH EMPLOYMENT PROGRAMMES
- DEVELOP A SET OF TRAINING MODULES ON THE WHOLE CYCLE OF PROCUREMENT - DESIGN - RETROFIT - MAINTENANCE
- DEVELOP A METHODOLOGY FOR RESIDENT ENGAGEMENT
- EVALUATE TECHNICAL PERFORMANCE AND SOCIAL RETURN ON INVESTMENT

**SUCCESSES**

- 430 RESIDENTS ENGAGED
- 2,700m<sup>2</sup> OF LAND IMPROVED
- 15 GREEN TEAM TRAINED
- ACHIEVING CITY 3 BUILDING LEVEL 1 IN PRACTICAL ENVIRONMENTAL STUDIES

DESIGNING FOR AND WITH PEOPLE

PARTNERSHIP BETWEEN GROUNDWORK WITH THE LONDON BOROUGH OF HAMMERSMITH & FULHAM.

5.7 MILLION PEOPLE IN THE UK LIVE IN SOCIAL HOUSING

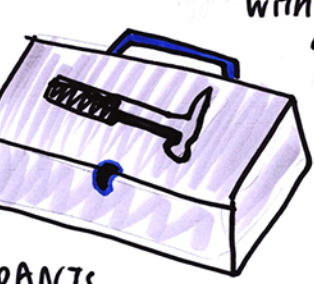
TRAINING COURSE FOR LOCAL MAINTENANCE CONTRACTORS & SENIOR MANAGERS

MATTER CHAIR FOR LANDSCAPE ARCHITECTS & URBAN DESIGNERS

### DR BEN SPENCER

DELIGHTFUL CYCLING FOR ALL?  
THE POTENTIAL OF ENHANCED SENSORY EXPERIENCE TO ENCOURAGE CYCLING.

CYCLE BOOM  
3 YEAR PROJECT...



PARTICIPANTS WERE 50

**OXFORD**

2ND LARGEST CYCLE CITY

WE WANTED TO UNDERSTAND IN DETAIL WHAT PEOPLES CYCLING EXPERIENCES WERE LIKE...

KEY THINGS

WE HAVE AN AGING POPULATION AND AN AGING INFRASTRUCTURE - WHICH YOU CAN REMIX FEEL!

EXTENSIVE CONCERN WITH FALLING

CYCLING NEEDS TO...  
FEEL COMFORTABLE, SAFE, HAVE ATTRACTIVE ROUTES AND CONTRIBUTE TO LIFE!

IT IS NOT TO BE FORGOTTEN THAT A POSITIVE ASPECT CAN BE IDENTIFIED FROM A NICE BUILDING.

SEAN  
15 YEARS ON ONE ROUTE  
HOME 8.5km / 18kmh

DESIREE  
12 YEARS  
HOME 3.2km / 11kmh

CHERYL  
14 YEARS  
HOME 9.1km / 18kmh

### ARIANA MARKOWITZ

THE LOOK AND FEEL OF MEMORY: RE-ENACTING BORDERS THROUGH LIGHT AND TEXTURE IN BEIRUT.

**LEBANON**

LEBANON CIVIL WAR 1975-90  
KILLED 120,000 PEOPLE  
DISPLACED MORE THAN 75,000 PEOPLE

**BEIRUT**

NO PEACE BUILDING EFFORTS AFTER THE WAR.

ASSEMBLE THE ACT OF MAKING FOR YOUR COMMUNITY IS A GREAT EXAMPLE.

WE OFTEN DISREGARD DIFFERENT RESPONSES TO DIFFERENT MATERIALS

**UCL**

CITIES CAN PLAY AN ACTIVE ROLE IN THE HEALING PROCESS!

MY DESIGN INTERVENTION

RESURRECTING THE BORDERS OF REMEMBRANCE

I HOPE TO CREATE A PLACE FOR MEMORY AND HEALING

MEMORIES OF THE PAST HAVE BEEN 'BURIED' UNDER THE SLITZ AND SLAM OF NEW DEVELOPMENT.

**ARCC**

BIOPHILIA OFFERS A DIFFERENT SOLUTION

BIOPHILIA IS FUNDAMENTAL TO OUR LIVES.

BEYOND BLUE

BLUE LIGHT EMITTING MAY AFFECT OUR HEALTH

NEW HORIZONS - WHICH CAN EMIT LIGHT OVER A WIDE RANGE OF COLOURS.

AN UNUSUALLY MEASURED OBESITY AND MENTAL HEALTH

**TACTILE ROBOTICS**

A PROTOTYPE METHOD FOR CREATING THREE-DIMENSIONAL HAPTIC SHAPES IN MID-AIR USING FOLDED ULTRA-SOUND.

**BLUE HEALTH**

EXPLORING THE HEALTH AND WELL-BEING BENEFITS OF AQUATIC ENVIRONMENTS INCLUDING FACTORS SUCH AS URBAN COOLING AND RECREATION

**BLUE GREEN CITIES**

NEWCASTLE CITY

EMISER PARK VERY DIFFERENT FROM LONDON. DE-POPULATION

THE EXAMPLE OF EMISER PARK

GERMAN APPROACH TO COMMUNITY REGENERATION IS VERY DIFFERENT.

ESPECIALLY IN AREAS OF INDUSTRY DECLINE