

The Architecture Annual 2005–2006

Delft University of Technology

Editorial Board

Henco Bekkering

Deborah Hauptmann

Alexandra den Heijer

Julius Klatte

Ulrich Knaack

Sanne van Manen

Preface <i>Wytze Patijn</i>	12	Research	
The Annual Editorial Comment <i>Julius Klatte</i>	14	Building Relations <i>Henriette Bier, Dave Hoffers, Matthijs Frederiks and Sander Korebrits</i>	64
Events		The potential of Isovist-Based Visibility Analysis <i>Arthur van Bilsen and Egbert Stolk</i>	68
Sustainable Interventions workshop in Djakarta <i>Sietze Meijer, Wouter Oostendorp and Pauline van Roosmalen</i>	18	Two kinds of architecture, two kinds of thinking <i>Jaap Dawson</i>	74
Leermeesterprijs for Hans de Jonge <i>Editorial Board</i>	22	Rabin Center, Tel Aviv, Israel <i>Mick Eekhout and Ronald Visser</i>	80
The 'Models in Architecture' Exhibition <i>Jack Breen, Robert Nottrot and Martijn Stellingwerff</i>	24	Daylight and Urban Density <i>Marjolein van Esch and Per Haupt</i>	86
'Social Topography' Tokyo Terraventure December 2005 <i>Rajan V. Ritoe</i>	28	Context Analysis <i>Taeke M. de Jong</i>	92
A New Pavilion for Stylos <i>Sanne van Manen and Anne Meiborg</i>	32	A multi-disciplinary approach to railway station development: a case study in 's-Hertogenbosch <i>Gert-Joost Peek and Erik Louw</i>	98
Team 10 – In Search of a Utopia of the Present <i>Dirk van den Heuvel</i>	36	Perception & Architecture <i>I. Sevil Sariyildiz, Michael S. Bittermann and Özer Ciftcioglu</i>	104
High Rise Buildings Workshop <i>Jacques Berenbak and Tom Kramer</i>	40	Public Spaces: A Socio-Spatial Analysis <i>Rypke Sierksma</i>	110
The Projective Landscape: In theory, a step forward? <i>Lara Schrijver and Edwin Gardner</i>	44	Local Autonomy or Global Heteronomy: A 'One Town World' <i>Arjan van Timmeren</i>	114
GameSetandMatch II Conference <i>Lukas Feireiss, Xin Xia and Sander Korebrits</i>	48	The Architectonic of Philosophy <i>Leslie Kavanaugh</i>	120
Digital Design and Fabrication <i>Henriette Bier</i>	52		
Critical Thought and Projective Practices: An Interview with K. Michael Hays <i>Deborah Hauptmann</i>	56		

Studios		Living with water in the flood plains of Arnhem <i>Elizabeth Helena Blokland</i>	165
®MIT Graduation Studio Olinda – The results of a pilot project <i>Paul Meurs and Ferruccio Colautti</i>	126	A built rear side in Dordrecht <i>Martijn van Veelen</i>	168
Public Realm Studio 2005-2006 <i>Susanne Komossa and Klaske Havik</i>	128	Spoorzone Delft <i>Rido Pin</i>	171
E-motive Architecture <i>Kas Oosterhuis and Hans Hubers</i>	130	Delft central station <i>Luuk Stoltenborg</i>	174
Explore Lab 1 Experimental diploma studio for students with a fascination <i>Machiel van Dorst, Joost van Ettehoven, Onno Faber and Robert Nottrot</i>	132	The Continuous Interior A Hotel in (the) West <i>Max Cohen de Lara and David Mulder</i>	177
Projects for the Dutch City: architectural interventions for inner city railway zones <i>François Claessens, Willemijn Wilms Floet and Leen van Duin</i>	134	Osdorp rings <i>Francisco Da Fonseca</i>	180
Project Management (Design & Construction Management) <i>Rob Geraedts and Matthijs Prins</i>	136	Elderly/centre <i>Hedwig Heinsman</i>	183
Real Estate Management <i>Wout van der Toorn Vrijthoff and Theo van der Voordt</i>	138	Courtyard <i>Joep Koenders</i>	186
Sustainable Housing Transformations <i>Vincent Gruis</i>	140	Agora in Rotterdam <i>Paul Angelier</i>	189
Projects		Municipalities and innovative procurement <i>Alexander de Bonth</i>	192
The interior garden <i>Willemien Bosch</i>	144	Transformation of the historical inner city, Ningbo, China <i>Xiong Xi</i>	195
Monopoly cities <i>Mang Chon Loi</i>	147	2Cities1Space <i>Adalberto Pacheco Bastidas</i>	198
Terrain vague, entropy poetry and nothingness <i>Francesco Marullo</i>	150	Wall and hidden life <i>Jun J. Ying</i>	201
Counterspiral <i>Jeandonné Schijlen</i>	153	Facts	
Quest for content nl urban symbiosis – building deep makes space <i>Renske Appel and Saskia Oranje</i>	156	Academic Year 2005–2006	206
Transparent.boom.mediate <i>Chin Choon Siong and Tsung-si Chen</i>	159	Curriculum for the Bachelor of Science and Master of Science courses	212
Housing the transient <i>Melissa Liando</i>	162		

Preface

My first half year

was certainly exhilarating. It got off to a quick start with a professors' conference on education at the Faculty. The departing interim dean Jan Rots, who for six months had held the fort valiantly, suggested I begin immediately by chairing the conference! Being utterly unprepared, I had to improvise.

The current situation was under heavy fire. The students wanted more designing and less subjects and fragmentation. The in-house assessment committee had concluded that many aspects could and should be improved if the quality of education was to increase. No lack of ambition there. It was time for evaluation and change, particularly with regard to the first three years, the BSc programme.

Two further conferences would follow, marked by many discussions and many proposals. All this gelled in a very positive plan: there was to be a less cluttered programme with fewer subjects, a new timetable and more time for designing. More for the new teachers to get their teeth into. And that was just the beginning.

We must have more. We are now an international faculty. This is something we wish to build upon. We have made plans for more connections abroad. We were very much in evidence at the Venice Biennale with the Delft School of Design. In Beijing (Tsinghua University) there was a major conference on urban design and spatial planning and here in Delft various international seminars have addressed such subjects as material science and restoration work in Brazil. The ties with Turkey have been strengthened considerably by forging exclusive relationships with Ankara University (METU) in particular. Every year, some 275 foreign students enrol at our Faculty of Architecture, 185 through exchange programmes and 90 for a MSc course. We shall no doubt become more international in the future in terms of both teachers and students.

Numerous architecture exhibitions devised and mounted by our Faculty – such as the one on Team Ten – are now travelling the world to great acclaim.

Research has become even more important this year. We have set our sights high. We seek to become a national platform for innovation. We have made preparations to launch a focal research programme on building construction. This can not be done without collaborating with other faculties and universities (Industrial Design Engineering; Civil Engineering and Geosciences; Technology, Policy and Management; TU Eindhoven). We teach each other, stimulate each other. Our place must be in the thick of society.

This Architecture Annual showcases our present pursuits and our present position. It is more than you might expect but above all it is unbelievably varied and fizzing with life.

Wytze Patijn
Dean of the Faculty of Architecture, Delft University of Technology

The Annual Editorial Comment

JULIUS KLATTE, ON BEHALF OF THE EDITORIAL BOARD

Although the concept of *The Architecture Annual* hasn't changed much since its first issue in 1994, small changes in the composition of the book do come about from time to time for varying reasons. For instance, over the past several years transformations in the core structure of the teaching program – related to manifold compliances occurring in all European Universities as a result of the Bologna Protocols on Higher Education – have made their mark on the structure of this publication. For instance, last year the 'studios' section was added in order to expose the relation between research and education at the faculty. Due to the diverse nature of research being carried out at this faculty – ranging from architectural and urban design and planning, to sustainable technology, real estate management and economic strategy – the *Annual* continues to display an equally varied range of subject matter as well as a diversity in positions taken towards seemingly similar areas of research. Each year the jury process for submissions seems to become increasingly difficult with regard to compiling what we might term a topic-centric point of view, at least as regards the 'research' section of the publication.

However, even with this said, amongst this year's contributions we can suggest a few issues which seem to be surfacing cross-departmentally. Notable is an increased interest in attempts to establish quantifiable procedures to qualitative conditions. For instance, attempts are being made at defining spatial (perceptual) quality as a measurable aspect of a design: on an urban scale, Arthur van Bilsen and Egbert Stolk have provided a 'visibility analysis' that introduces a means to compare the extent to which spatial openness can be achieved in the urban environment. Furthermore, on the scale of the building interior Sevil Sariyildiz et al., have produced a computationally operational system by which the complex concept of human visual perception is being brought to bear within specific design parameters. Of course, neither of these examples could have been possible without the development of computational systems, which also feature as design tools in other contributions. For example in the contributions by Henriette Bier, concerning tools for optimizing functional lay-out and the increasingly direct relation between design and fabrication; or in the Hyperbody Research Group's GameSetMatch conference and E-motive Architecture graduation studio.

Of course *The Architecture Annual* is not a single, stand-alone publication – it must be seen as a series. And as well as offering a modest insight into work at the faculty with a selection of events, research and design projects, it records important events and happenings taking place at our School. Throughout the years, therefore, we can see new design trends emerging, new technologies maturing, education being reformulated and witness a rich diversity of issues that occupy the concerns of our faculty members and doctoral researchers.

Three issues ago, thanks to the involvement of our new book designer, Joost Grootens, we began a new tradition within the *Annual* in the form of an introductory photo essay. These images

are intended to capture a specific aspect of life at the Faculty of Architecture. The first series began by showing activities and events, the dynamics of the crowds, the throngs we associate with any thriving school of architecture. Last year the idea was extended and a decision was made to invite a young photographer to offer a personal interpretation. This experiment resulted in a series of portraits which succinctly exhibited – by virtue of the absolute repetition in the photographic frame – the diverse individualities that populate our school. This year we decided to continue offering young photographers a chance to expose their work. And the photo essay in this issue is by Aaron Hauptmann, now a student of Film and Philosophy at the University of Kent, in England. His images offer 'at work' vignettes; all framed with reference to the 'body' and in deference to the Dutch designer's quintessential fascination with 'chairs'.

Finally, we would like to mention that this year, we installed two new members to the editorial board of the *Annual*. Alexandra den Heijer, with Real Estate and Housing; and Ulrich Knaack, Professor of Building Technology. Additionally, during the academic year covered by this edition, the Faculty of Architecture has instated a new Dean, Prof. Wytze Patijn; and we, along with the entire editorial board would like to take this opportunity to welcome him.