

The Engineer's Contribution to Contemporary Architecture

OWEN WILLIAMS



David Yeoman
David Cottam



Institution of Civil Engineers



Institution of Mechanical Engineers

Owen Williams The Engineers Contribution To Contemporary Architecture

Joshua Abbott



Owen Williams The Engineers Contribution To Contemporary Architecture:

Owen Williams David Yeomans, David Cottam, 2001 Be honest first and if you are honest you will be beautiful but do not attempt to be beautiful and dishonest Sir Owen Williams Sir Owen Williams influence on architecture of the first half of the twentieth century stemmed from a demonstration of what a functionalist approach to architecture could achieve Blurring the roles of engineer and architect during the period between the wars Williams produced a series of innovative reinforced concrete buildings whose aesthetic treatment depended upon an expression of their structures The Other Modern Movement Kenneth Frampton, 2022-01-25 A revealing new look at modernist architecture emphasizing its diversity complexity and broad inventiveness Usually associated with Mies and Le Corbusier the Modern Movement was instrumental in advancing new technologies of construction in architecture including the use of glass steel and reinforced concrete Renowned historian Kenneth Frampton offers a bold look at this crucial period focusing on architects less commonly associated with the movement in order to reveal the breadth and complexity of architectural modernism The Other Modern Movement profiles nineteen architects each of whom consciously contributed to the evolution of a new architectural typology through a key work realized between 1922 and 1962 Frampton's account offers new insights into iconic buildings like Eileen Gray's E 1027 House in France and Richard Neutra's Kaufmann House in Palm Springs California as well as lesser known works such as Antonin Raymond's Tokyo Golf Club and Alejandro de la Sota's Maravillas School Gymnasium in Madrid Foregrounding the ways that these diverse projects employed progressive models advanced new methods in construction techniques and displayed a new sociocultural awareness Frampton shines a light on the rich legacy of the Modern Movement and the enduring potential of the unfinished modernist project *The Architectures of Childhood* Roy Kozlovsky, 2016-03-16 Between 1935 and 1959 the architecture of childhood was at the centre of architectural discourse in a way that is unique in architectural history Some of the seminal projects of the period such as the Secondary Modern School at Hunstanton by Peter and Alison Smithson Le Corbusier's Unit d'Habitation at Marseilles or Aldo van Eyck's playgrounds and orphanage were designed for children At CIAM architects utilized photographs of children to present their visions for reconstruction The unprecedented visibility of the child to architectural discourse during the period of reconstruction is the starting point for this interdisciplinary study of modern architecture under welfare state patronage Focusing mainly on England this book examines a series of innovative buildings and environments developed for children such as the adventure playground the Hertfordshire school the reformed children hospital Brutalist housing estates and New Towns It studies the methods employed by architects child experts and policy makers to survey assess and administer the physiological emotional and developmental needs of the user the child It identifies the new aesthetic and spatial order permeating the environments of childhood based on endowing children with the agency and autonomy to create a self regulating social order out of their own free will while rendering their interiority and sociability observable and governable By inserting the architectural object

within a broader social and political context The Architectures of Childhood situates post war architecture within the welfare state s project of governing the self which most intensively targeted the citizen in the making the children Yet the emphasis on the utilization of architecture as an instrument of power does not reduce it into a mere document of social policy as the author uncovers the surplus of meaning and richness of experience invested in these environments at the historical mom

Proceedings of the Institution of Civil Engineers ,2001 **Peter Rice** André Brown,2001 Like his great predecessors whether Brunel or Brunelleschi Peter Rice is able to step outside the confines of his professional training transferring technical problems into practical solutions His design combines order with delight science with art Richard Rogers Known for his work on major projects such as the Centre Pompidou Sydney Opera House and Lloyd s Building Peter Rice received international acclaim as one of the great engineers of the 20th century His collaborations with some of the leading architects of our time including Renzo Piano Richard Rogers Frei Otto I M Pei Norman Foster and Bernard Tschumi have created memorable landmark structures which are justifiably famous for their style and innovation Rice believed that the role of engineering was to enable the most exciting pieces of architecture to be realised His collaborators came to learn that if anyone could make their ideas work it would be Peter Rice His adoption of a fresh approach for each project was calculated to produce the best possible building and was combined with a respect for the role of the architect Over time this method resulted in an inspirational body of innovative work This **A Guide to Modernism in Metro-Land** Joshua

Abbott,2020-10-01 From Barnet to Richmond explore the history of London s Metro Land A Guide to Modernism in Metro Land is your essential pocket guide to the modernist architecture of London s suburbs Inspired by John Betjeman s 1973 documentary Metro Land and the writing of Ian Nairn it examines the growth of the city s suburbs from the 1920s up to the present day a story that is closely interwoven with the development of innovative architecture in Britain through its most remarkable modernist buildings Featuring work by architects such as Charles Holden Erno Goldfinger and Norman Foster the book covers nine London boroughs and two counties Barnet Brent Ealing Enfield Haringey Harrow Hillingdon Hounslow Richmond Hertfordshire and Buckinghamshire It is designed to help you explore Metro Land s modernist heritage featuring short descriptions of each building alongside maps of the areas covered and more than 100 colour photographs

Structure and Architecture Angus J. Macdonald,2018-10-26 This thoroughly updated edition of Angus J Macdonald s insightful book Structure and Architecture offers an in depth analysis of structural design and its relationship with architecture It draws on clear explanations of the connections between structural form structural performance and architectural design to explore the interface between the technical and the visual in architecture Additional chapters in this new edition cover the fields of structural theory structural philosophy the contributions of prominent engineers to the evolution of Modern architecture and the concept and practice of sustainable design Fully illustrated this critical appraisal of structures is a core curriculum text for students of architecture structural engineering and architectural history and is also a

valuable resource for practitioners of these disciplines

The Rise and Fall of the Healthy Factory V. Long, 2010-12-08

The first account of the emergence and demise of preventive health care for workers It explores how trade unions employers doctors and the government reconfigured the relationship between health productivity and the factory over the course of the twentieth century within a broader political industrial and social context Historic Concrete James Sutherland, R. J. M.

Sutherland, Dawn Humm, Mike Chrimes,

Changing Cultures João Mascarenhas-Mateus, 2023-08-24

The construction practices we employ in our daily life in European societies today were shaped by major changes in the past such as the introduction and dissemination of Portland cement and reinforced concrete a development that constitutes a fundamental chapter in the history of construction in the 19th and 20th centuries Such changes were boosted by several innovations in the fields of applied mathematics chemistry and physics They involved patents licensing optimization of materials production and machinery There were new legislative frameworks a specific knowledge transfer within a network of actors and the transformation of hierarchical frameworks Written by international specialists this two part book is centred on case studies from the UK Germany Switzerland France Belgium Portugal Spain and Italy The first part explores the mutual international influence between these countries and their intrinsic characteristics in this field resulting from each nation s particular economic social political cultural and technological conditions The second part focuses on the history of public works companies Capable of carrying out both private works and major infrastructures these players exemplify the technological and business advances that the construction sector has experienced over the last two centuries This book is a must read for researchers on contemporary construction history in Europe The Open Access version of this book available at www.taylorfrancis.com has been made available under a Create Commons Attribution Non Commercial No Derivatives 4.0 CC BY NC ND license

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