

Research Dialogue between Materials and Products in Architecture

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The materials life cycle consists of several phases. If application areas are targeted for architecture, comprehending the demands of the end-use phase might not be clear at the research and development phase, leading to an entity appearing fragmented. The aim of this study is to help bring order to the material research or development phases. The objective is to generate a review tool, which helps to observe different areas where architecture operates, and contemplate simultaneously the aspects during the different phases of the material development. The review tool of the material life cycle consists of tracking the raw materials until the re-used raw material, resulting in eight different stages of the material life cycle. In addition, each of the eight stages of the material life cycle is possible to observe with the five different viewpoints, which are present in architecture. These eight material life cycle stages and five aspects have been formulated as a chart. The chart consists of 40 different approaches facilitating discussion between different operators during the different phases of the material development. The chart might help set goals, frame areas, and improve comprehension of the research and development processes of the materials, especially when interdisciplinarity is involved in the research process.

Keywords: architecture, interdisciplinarity, materials development, materials life cycle, materials research.

In architecture, construction materials have certain characteristics and aspects to fulfil depending on where and how they are applied. Traditionally, practitioners have obtained an intrinsic understanding of the materials by gathering knowledge when interacting with the materials on a practical level. Professionals, who are specialised in understanding the role of materials or methods in constructing, such as construction workers, craftspeople, builders, and architects, must understand the relatively simple processes involved therein. Due to this basic understanding, the communication between professionals is effortless because the targets are easy to discuss; the concepts are clear; and the materials or processes are well known. Though, when new technologies or materials are intended to be applied in the construction industry, special expertise is required (Gieseckam et al 2016).

In architecture, materials are not just thought to constitute the protective shells, carry loads, or divide spaces. The material palette utilised in architecture is in general extremely versatile. Different materials must play well together leading to a meaningful and pleasant spatial experience, noting the function of the building, demands of the user, cultural aspects of the context, and overall cost of the constructing. Without a holistic perspective, the outcomes might be very practical or technically competent, but they may not necessarily be easy to implement in a living environment, where various aspects are meaningful.

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Abstract

Introduction



Interface Between Research And Dialogue

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Introduction to Instructed Second Language Acquisition Shawn Loewen,2020-03-09 Now in its second edition Introduction to Instructed Second Language Acquisition continues to present a cohesive view of the different theoretical and pedagogical perspectives that comprise instructed second language acquisition ISLA Loewen provides comprehensive discussions of the theoretical empirical and pedagogical aspects of a range of key issues in ISLA and has added to this edition a comprehensive exploration of the relationship between ISLA research and second language pedagogy Also new is the addition of supporting features including new end of chapter activities points for reflection and discussion questions as well as thoroughly revised content to reflect the most recent research in ISLA This is an essential resource for students new to ISLA or working in second language acquisition more generally *Agricultural Research and Extension Interface in Asia* ,1999 *The Complexity of Relationships in Action Research* Ben Boog,1998 The relationship between researchers and research is of great importance to action researchers It is usually characterized as dialogical recognizing the competencies of both groups of actors involved But in theory as well as in practice it appears to be a very complex issue The aim of this third book of the Dutch Action Research Network is to discuss a number of aspects related to that complexity A great mixture of experiences new insights concepts and methodological devices is presented In the last part of this book a number of methodological issues are analyzed The book ends with some general conclusions about the strategic role of adequate relationships in action research **Muslim-Christian Encounters in Africa** Benjamin F. Soares,2006 This engaging collection of essays offers new insights into the multi faceted and changing encounters of Muslims and Christians in Africa in the past and closer to the present **The Soviet Past in the Post-Socialist Present** Melanie Ilic,Dalia Leinarte,2015-07-03 This collection examines practical and ethical issues inherent in the application of oral history and memory studies to research about the Soviet Union and Eastern Europe since the collapse of the Soviet bloc Case studies highlight the importance of ethical good practice including the reflexive interrogation of the interviewer and researcher and aspects of gender and national identity Researchers use oral history to analyze present day recollections of the Soviet past thereby extending our understanding beyond archival records official rhetoric and popular mythology Oral history explores individual life stories but this has sometimes resulted in rather incomplete incoherent inconsistent or illogical narratives Oral history therefore presents the researcher with a number of methodological and ethical dilemmas including the interpretation of silence in biographical accounts This collection links the discussion of oral history ethics with that of memory studies Memories are shaped by factors that may be simultaneously both consecutive and disrupted In written accounts and responses to interview questions respondents sometimes display nostalgia for the Soviet past or conversely may seek to de

mythologize the realities of Soviet rule Case studies explore what to do when interview subjects and memoirists consciously sub consciously or unconsciously forget aspects of their own past or themselves seek to take control of the research process

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