

BOOK OF ABSTRACTS



13TH MEETING OF
YOUNG RESEARCHERS
OF UNIVERSITY OF PORTO

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- 16955 | SCHOOL SPACES IN THE INCORPORATION OF (NEW) INFRASTRUCTURAL NEEDS

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On April 4th, 2006 as a consequence of the Kyoto Protocol, a set of legal acts relating to the Energy Certification and Indoor Air Quality System (SCE), Building Climate Control Energy Systems (RSECE) and the Regulations of the Thermal Behavioral Characteristics of Buildings (RCCTE), revealed concerns and limitations on buildings' energy consumptions. These determinations entailed the need to jointly articulate the various components of buildings that generate energy consumption, leading to a conceptual interdependence between the lighting and HVAC projects. As would later be perceived, these new legal determinations set significant impositions in the incorporation of the spaces of a paraphernalia in the spatial characterization, a major condition in the context of interventions on pre-existing buildings.

In this context, the Program developed by Parque Escolar was the first moment, both in time and impact, in which these consequences were implemented. It was assumed as a laboratory where various methodologies, strategies and consequently results were tested.

As opposed as the traditional sense of concealment of the most expressive infrastructures, the Program, for reasons of maintenance and accessibility, came to determine that most of the design options assume the physical and visual presence of these elements with consequences for the conformation of the spaces in the environments and image. Thus, and given the complexity of the systems, the need to extend the dialogue between technology and architecture was induced, eventually providing new sensitivities in the aesthetic appropriation of spaces, or even configuring a new language. The reflection on this problem is inserted in the research "ESCOLAS: Complexidade e Interpretação", under the coordination of Professor Doctor André Santos.