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**Fifty Years of Publications from the
Departamento de Informática - PUC-Rio.
Pt. 1: Journal Articles**

Compiled and Organized
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Fifty Years of Publications from the Departamento de Informática – PUC-Rio. Pt. 1: Journal Articles

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Abstract: This work encompasses 50 years of publications from the Departamento de Informática of PUC-Rio, the first post-graduate Computer Science program in Latin America. It serves as evidence that the Program has stayed fully up to date with respect to the state-of-the art of the discipline. It has, in addition, a relevant historical and scientific value as a significant example of the evolution of the scientific and technological research in the field of Computing in Brazil. It also registers the presence of the researchers that populated and still populate the academic computing community in Brazil, as well as the intense collaboration among our researchers and researchers from other programs, both at the national and international levels. This work is a legacy of the Assessoria de Biblioteca, Documentação e Informação in its continued effort to maintain, preserve and disseminate the records of the Department's scientific research, published from 1968, the very beginning of the Program, up to 2019. It is intended to be presented in three parts covering respectively: Journal Articles – around a thousand articles during the period -, Books and Book Chapters, and Communications in Scientific Events.

Palavras-chave: Computer Science Literature, Computer Science in Brazil, Academic Production of Departamento de Informática PUC-Rio.

Resumo: O presente trabalho comprehende 50 anos de publicações do Departamento de Informática da PUC-Rio, o mais antigo programa de pós-graduação da área na América Latina. Retrata a continua permanência do programa no estado-da-arte da disciplina. Tem relevante valor histórico por ser uma amostra significativa da evolução da pesquisa científica e tecnológica na área de computação no Brasil. Registra além disso a presença dos pesquisadores que povoaram e povoam a comunidade acadêmica de Computação no Brasil, assim como a intensa atividade de pesquisa entre nossos pesquisadores e os pesquisadores de outros programas, aos níveis nacional e internacional. Este trabalho é um legado da Assessoria de Biblioteca, Documentação e Informação em seu esforço contínuo de manter, preservar e disseminar os registros da pesquisa científica do Departamento, publicada entre 1968, data de início do Programa, até 2019. Pretende-se apresentar este trabalho em três partes cobrindo respectivamente: Artigos em Periódicos Científicos – cerca de mil artigos publicados no período -, Livros e Capítulos de Livros, e Comunicações em Eventos Científicos.

Keywords: Literatura científica em Ciência da Computação, Ciência da Computação no Brasil, Produção Acadêmica do Departamento de Informática PUC-Rio.

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Foreword

This work presents the results of a bibliographic survey of scholarly publications from the Departamento de Informática of PUC-Rio, covering 50 years of publications, from 1968 to 2019.

The Departamento de Informática of PUC-Rio is the first graduate Computer Science program in Latin America. Created in late 1967, it started to operate in March 1968, the year in which this survey registers its first publication. For the last 50 years or so of scholarly publications, the Department has consistently stayed abreast of the state-of-the art of the discipline and of the evolution of the scientific and technological research in the field of Computing in Brazil. This survey is also a record of the strong, fruitful and lasting collaboration among our researchers and researchers from other programs, at the national and international levels.

Conducted by the Assessoria de Biblioteca, Documentação e Informação, the survey has used various sources of information, including data gathered from the faculty's curricula-vitae in the Lattes Platform, the Sucupira Platform, the Department's Computer Science Library catalog, the successive annual activity reports, and Google Scholar. Most of the references are available on the Internet for access and download. The records are grouped by year and ordered alphabetically by the first author's name. It is expected that they be used as a source for further studies on the communication patterns among the scientific community, as well as for bibliometric studies.

The survey is intended to be presented in three parts: (1) Journal Articles, comprising about one thousand records, (2) Books and Book Chapters, and (3) Communications in Scientific Events.

The Assessoria de Biblioteca, Documentação e Informação has been charged, as a worthy endeavor, of all efforts necessary to gather, maintain, preserve and disseminate the records of the Department's scientific research along these years, and is proud to deliver this survey to the academic community.

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Assessoria de Biblioteca, Documentação e Informação

PUC-Rio Departamento de Informática

Part 1: Journal Articles

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