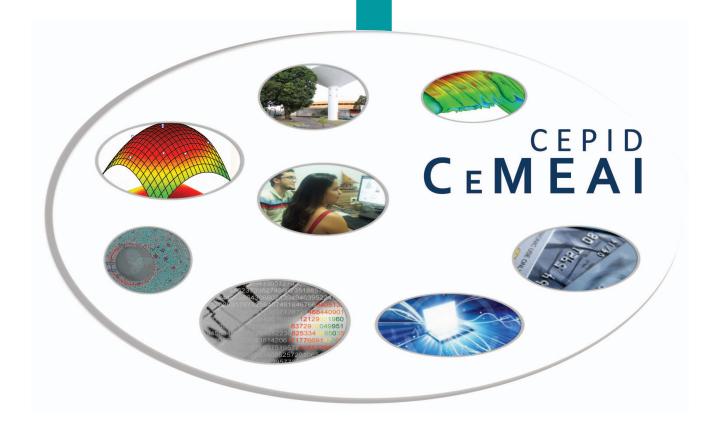
CENTER FOR RESEARCH IN MATHEMATICAL SCIENCES APPLIED TO INDUSTRY — CeMEAI



FAPESP Process 2013/07375-0



This proposal focuses on promoting the use of mathematical sciences, in particular applied mathematics, statistics and computer science as an industrial resource. The goal is to do this within an interdisciplinary setting, emphasizing technology transfer, education and knowledge dissemination for industry and government applications organized by a specially tailored Structured Research Center, whose nucleus already exists at USP.

The Center's main strategy is to build a strong infrastructure with regard to human resources, advanced computational equipment, collaboration opportunities and other facilities to promote interdisciplinary cooperation with industry and,

more specifically, with the manufacturing, government and service sectors.

The Center will encourage academic research groups to collaborate on effective applications and produce new scientific knowledge. The core groups in the Center have demonstrated experience in producing academic work of high quality in their areas of activity and also in relevant applications, evidence of which will be provided in the Technology Transfer section of this project. The core groups and their collaborators will continue with their usual scientific activities, enhanced by the interaction opportunities created by the Center, and at the same time, emphasize the critical role that mathematics plays across all industries.

Host Institution

University of São Paulo (USP, campus São Carlos)

Associated Institutions

State University of Campinas (UNICAMP)
São Paulo State University (UNESP)
Aerospace Science and Technology Departament (DCTA)
Federal University of São Carlos (UFSCar)
Pontifical Catholic University of Rio de Janeiro (PUC-RJ)

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