

Post-doc subject

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This project is concerned with the development of predictive methods for high frequency vibroacoustics of complex systems. Based on the observation that the main available theory, statistical energy analysis (SEA) encounters difficulties in theory and applications, two alternative theories, SmEdA and RADIOSITY have been developed for numerous years. In the framework of this project, the objective is to develop and to validate the theoretical basements for the building of hybrid SEA/SmEdA and SEA/RADIOSITY models. The research is mainly theoretical and numerical.