“与大师面对面”名师讲坛活动登记表

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| **主办单位：研究生工作部** | **承办单位：机电学院**  |

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| **主讲人信息** |
| 姓名 | **XXX** | 工作单位 | **Penn State University** |
| 职称 | **教授** | 职务 | **系主任** |
| 国籍 | 美国 | 身份证/护照号码 | **424838660（USA passport）** |
| 银行卡号 | **100100100010000（外籍教师无需提供，但需要填写签收单，且需要提供出入境登机牌复印件）** |
| 开户行准确地址 |  北京西直门高粱桥分号 |
| 报告题目 | **Distributed Control of Manufacturing and Service Systems（如是英文，需要中英文对照）** |
| **活动信息** |
| 时间 | **2016-12-14 14:30-16:30** | 地点 | 机械工程楼八层大会议室 |
| 参加人员 | 机械类研究生、教师 | 参加人数 | 55 |
| 申请资助金额 | **1000 元** |
| 现场负责教师 | **XXX** | 联系方式 | **1368XXXXXXX** |
| 主讲人简介（300—500字） | Professor Prabhu works in the area of distributed control systems with a focus on manufacturing and service enterprises. The goal of his research is to develop a unified mathematical and computational framework that enables engineering of distributed control systems consisting of discrete-events, physical processes, and service processes. The science-base of this work includes theories of discontinuous differential equations, Lyapunov stability, adaptive control, and nonlinear control for studying distributed algorithms.（如是英文，需要中英文对照） |
| 内容纲要 | In this talk we will review distributed control algorithms that have been developed for real-time decision-making in manufacturing and service systems. The talk will focus on a class of feedback control algorithms that use continuous variables for controlling discrete-event timing. These algorithms can potentially be used for unified decision making across multiple functions such as production scheduling, maintenance scheduling, inventory management, and transportation. Moreover, because of their non-combinatorial nature and inherent parallel/distributed nature they offer scalability. The talk will briefly review some the mathematical techniques for modeling and analysis of these control systems using discontinuous differential equations and control theory.（如是英文，需要中英文对照） |
| 申请单位意见 | （请签署确保不涉及重点人，不出现意识形态、宗教等方面问题的意见。）  纯学术交流活动，不涉及重点人，不出现意识形态、宗教等方面问题。         单位领导签字（盖章）：                          年     月     日 |
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| 研究生工作部意见 |           经办人签字（盖章）：                          年     月    日 |