



短期课程介绍 Short course



授课人: Professor Alberto Isidori, 意大利罗马大学

课程名称: Topics in Robust and Nonlinear Control

课程时间: 5月7/8/11/13/15/18/20/22/25上午9:30-11:30

课程地点: 智能系统与控制研究所 (教十八)223室

报名方式: 本课程2个学分, 发送姓名+学号到邮箱

ztliu@iipc.zju.edu.cn 或手机 13758251482

课程内容简介:

- Robust regulation of linear systems: steady state analysis, design of regulators, robustness versus exosystem uncertainties.
- Coordination of a network of linear systems as a generalized problem of regulation.
- Topics in nonlinear stabilization: input-to-state stability, small-gain theorem, stabilization by state-feedback, semiglobal and practical stability, stabilization by output feedback.
- Regulation of nonlinear systems: steady-state response, synthesis of nonlinear internal models, design of regulators

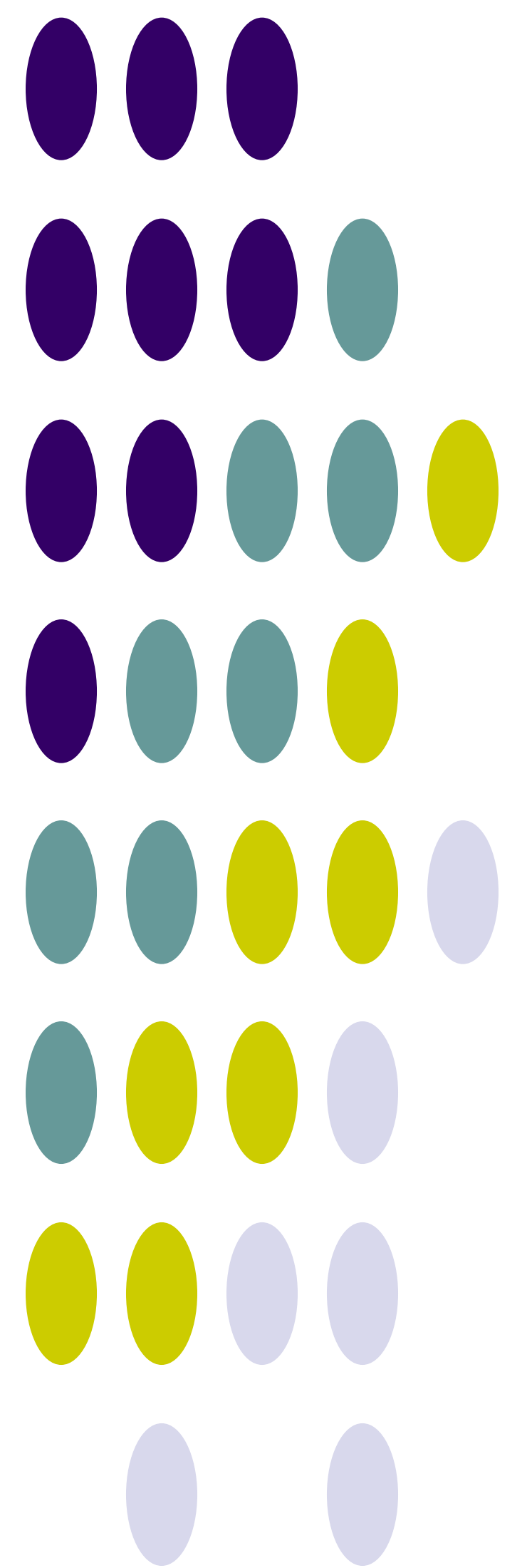
课程教授简介:



Professor Alberto Isidori

Alberto Isidori, obtained his degree in EE from the University of Rome in 1965. From 1975 to 2012, he has been Professor of Automatic Control at this University, where is now Professor Emeritus. His research interests are primarily in analysis and design of nonlinear control systems. Author of several books

among which the highly-cited book Nonlinear Control Systems and of more than 110 articles on archival journals. Recipient of various prestigious awards, which include the Quazza Medal of IFAC (1996), the Bode Lecture Award from the Control Systems Society of IEEE (2001), the Honorary Doctorate from KTH of Sweden (2009), the Galileo Galilei Award from the Rotary Clubs of Italy (2009), the Control Systems Award of IEEE (2012). Fellow of IEEE (1996), Fellow of IFAC (2005), corresponding member of the Accademia Nazionale dei Lincei (2012). He has been President of IFAC in the triennium 2008-2011.



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