



Fondazione C.I.M.E.



Centro Internazionale Matematico Estivo
International Mathematical Summer Center

Nonlinear and Optimal Control Theory

Cetraro (Cosenza) - June 21-29, 2004

Course directors:

Prof. Gianna Stefani (Univ. di Firenze)

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- CTS Fellowships

- Control Training Site

Lectures:

Prof. A. Agrachev

SISSA, Trieste

Differential Geometry of Optimal Controls Problems and Hamiltonian Systems (6 hours).

agrachev@sissa.it [Abstract](#)

Prof. A.S. Morse

Yale University

Lectures on Control using logic and Switching (6 hours)

morse@sysc.eng.yale.edu [Abstract](#)

Prof. E. Sontag

Rutgers University

Input to State Stability and Related Notions. (6 hours)

sontag@hilbert.rutgers.edu [Abstract](#)

Prof. H. Sussmann

Rutgers University

Flows, Generalized Derivatives, Variations and Necessary Conditions for an Optimum for Curve Minimization Problems (6 hours)

sussmann@math.rutgers.edu [Abstract](#)

Prof. V. Utkin

Ohio State University

Sliding Modes Control: Mathematical Tools, Design and Applications. (6 hours)

utkin@ee.eng.ohio-state.edu [Abstract](#)

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