

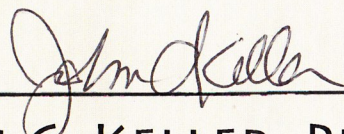
THE UNIVERSITY OF IOWA
THE GRADUATE COLLEGE AND GRADUATE STUDENT SENATE
HEREBY PRESENTS

Shiv Kumar Sambasivan

2ND PLACE

MATH, PHYSICAL & ENGINEERING SCIENCES DIVISION

THE 11TH ANNUAL
JAMES F. JAKOBSEN GRADUATE CONFERENCE
MARCH 28, 2009



JOHN C. KELLER, PH.D.
DEAN OF THE GRADUATE COLLEGE