

11/6/43

Engineering

Department of Electrical and Computer Engineering

N. Narayana Rao Papers, 1965-2017

Box 1:

ECE Awards and Administration

Jordan Professorship, 1990, 2004

Biography of N. Narayana Rao and Jordan Professorship support, 2003

Everitt Award

Everitt Award Programs and award information, 1968, 1987

1986-87 Instructional Awards Banquet Program, 1987

College of Engineering Honor Awards Convocation Program, 1987

Letter from H. L. Wakeland concerning the Everitt award, 1987

Undergraduate Instructional Award, CV, Workshop for Undergraduate Studies, U of I

Minutes, Award Certificate from Tektronix, correspondence, Everitt Award,

1965, 1981

1987 - 1990

Adviser's Folder (Part 1 of 2), 1969 -1970

Adviser's Folder (Part 2 of 2), 1969 -1970

Some of the 136 full-time staff members of the Electrical Engineering Department  
photograph and description, 1975

ECE Department Faculty Information, 1989, 1998, 2001, 2010

Vision 2001, 2000 -2001

Correspondence 2000, 2006, 2017

Printed email from Rao to Colleagues about the Wullenweber Array, 2005

Letter to Professor Richard Blahut from Troung Chi Hien and a Schedule for the

Ho Chi Minh City University of Technology Campus Visit, 2006

Printed email from N. Narayana Rao to Allison B. Winter, 2017

Course Materials

ECE 229

*"Making the Invisible World Visible" ECE 229 Supplement Introduction to  
Electromagnetic Fields* by Eric Dunn, 2004

ECE 229 - Introduction to Electromagnetic Fields Syllabus and Course Materials  
229 problems

ECE 329

"PowerPoint Presentations for ECE 329, Introduction to Electromagnetic Fields,  
to supplement 'Elements of Engineering Electromagnetics, Sixth Edition'"  
Spring Semester 2007 by Nannapaneni Narayana Rao, January 2007

EE358 Applications of Radio Wave Propagation  
EE 358, 1983

Midwest Universities Consortium for International Activities Indonesia World Bank IX  
Education Project  
Computation Notebook, 1985

"Report on the Preliminary Visit to Jurusan Elektro Fakultas Teknik, Universitas  
Indonesia Jakarta, Indonesia" by N. Narayana Rao, 1985

*A New Curriculum, Modern Laboratory Facilities, Staff Development, and Evaluation of  
Student Performance for Jurusan Elektro, Fakultas Teknik, Universities Indonesia Final  
Report of Activities, August 1985 - July 1986* book by N. Narayana Rao, 1986

Indo-American Education Program

Remote Course offering EE 350 Lines, Fields and Waves

Course Papers

EE 350 ... Rao Lines, Fields and Waves Material to teach off Campus  
(Part 1 of 2)

EE 350 ... Rao Lines, Fields and Waves Material to teach off Campus  
(Part 2 of 2)

Correspondence with Venkat Rangan on Offering Course in India, 2006

Edward C. Jordan Memorial Offering of the First Course under the

Indo-US Inter-University Collaborative Initiative in Higher Education and  
Research: Electromagnetics for ECE, 2006

Lectures (VHS tapes)

Investiture The Department of Electrical and Computer Engineering at the  
University of Illinois at Urbana-Champaign announces the  
investitures of Jean-Pierre Leburton, N. Narayana Rao, Benjamin  
W. Wah April 14, 2004 Beckman Institute, 2004

Fall 1983 ECE 350 Lines, Fields, and Waves Prof. Rao Lectures: 1 - 4,  
1983

EE 350 1.1, 1.2, 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.1,  
3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.2, 4.3, 4.4, 4.5, R.3, R.4, 5.1,  
5.2, 5.3, 5.4, 5.5, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, R.2, R.2

Schedule of EE 350 Video Tapes Completed

Box 2:

Fall 1983 ECE 350 Lines, Fields, and Waves Prof. Rao Lecture: 5 - 38,  
1983

## Presentations

The "Science" of Electromagnetics in "Essence" by Nannapaneni Narayana Rao (2 copies), 2004

Transmission Lines and Waveguides, 2008

## Textbooks and Related Materials

Textbooks and Textbook Excerpts

*Elements of Engineering Electromagnetics* Fifth Edition Part 1 Fundamental Elements, 1999

## Box 3:

Printout of PowerPoint Presentation and Article on Rao, 2003

Handbook of Engineering Electromagnetics book Chapter 1 by N. Narayana Rao, ca. 2004

Fundamentals of Engineering Electromagnetics Revisited Prepared for Handbook of Engineering Electromagnetics, Chapter 1 by Nannapaneni Narayana Rao, ca. 2004

Fundamentals of Electromagnetics for Electrical and Computer Engineering book, ca. 2008

Fundamentals of Electromagnetics for Electrical and Computer Engineering First Edition by Nannapaneni Narayana Rao, 2008

Fundamentals of Electromagnetics for Teaching and Learning: A Two-Week Intensive Course for Faculty in Electrical-, Electronics-, Communication-, and Computer- Related Engineering Departments in Engineering Colleges in India Book by Nannapaneni Narayana Rao (2 copies), 2009

Transmission-Line Waves N. Narayana Rao (Part 1 of 2)

Transmission-Line Waves N. Narayana Rao (Part 2 of 2)

## Solution Manuals

BMW 52.5j Material, 1972

Basic Electromagnetics with Applications: Solutions Manual by N. Narayana Rao, (2 Copies) ca. 1972

Solution Manual for Elements of Engineering Electromagnetics Sixth Edition by Nannapaneni Narayana Rao, 2004

Solution Manual for Fundamentals of Electromagnetics for Electrical and Computer Engineering by Nannapaneni Narayana Rao, ca. 2008

## Contracts and Correspondence Relating to Textbooks

An Agreement Concerning Lines, Fields, and Waves between N. Narayana Rao and Prentice-Hall, 1969

An Agreement Concerning Elements of Engineering Electromagnetics, 1976

Letter to Tom Robins from Prentice Hall Publishers, 1998

Letter from Rao to William H. Gates III, 2004

#### Publications and Reprints

*Ingenuity: Electrical and Computer Engineering Department*

*Ingenuity* Reprints, 1997, 1999, 2000

*Ingenuity* Clippings Nov. 2004, Nov. 2003, May 2003, Mar. 2004, Dec. 2005,  
Oct. 2002, Mar. 2002, 2002-2004

*Ingenuity* Volume 11, Number 3 and Copy of Article on Rao's Retirement, 2006

*IETE Technical Review*, Vol. 22, No 1., 2005

ECE Alumni News and Resonance

*ECE Alumni News* Volume 31, Number 2, 1997

*ECE Alumni News* Clippings, 2002-2005

*Resonance* Article on Rao's Retirement, 2007

*Resolution of Ionospheric Valley Ambiguity in True Height Computation Using Ordinary  
Wave Observations* book by Narayana Rao, H.M Swarm, A.E. Harrison Technical  
Report No. 93, Jan. 1965

Amrita University Website Article on Dr. N. Narayana Rao joining Amrita, 2006

Semi-Diurnal Lunar Variation of Ionospheric Layers by Nannapaneni Narayana Rao, 1960

Resolution of Ionospheric Valley Ambiguity in True Height Computation using Ordinary  
Wave Observations by N. Narayana Rao, 1964

Journal of Geophysical Research and Space Research Clippings and article from Illinois

Hinduism Today Article by Rao on Gratitude, 2005

Books on Electromagnetics by N. Narayana Rao and Reprints, 2011

ECE Illinois Implements ABET EC2K Model by Nannapaneni Narayana Rao

PC-Assisted Instruction of Introductory Electromagnetics

Reprints by Rao and Photographs, undated