THE UNIVERSITY OF TEXAS AT AUSTIN
Cockrell School of Engineering
Standard Resume

FULL NAME: Thomas A. Edison **TITLE:** Lecturer

DEPARTMENT: Chemical Engineering

EDUCATION: *(Institution, major, degree, dates)*

Annamalai University	Chemical Engineering	B.S.	Spring 1986
Indian Institute of Technology Kanpur	Chemical Engineering	M. Tech.	Summer 1988
Montana State University	Chemical Engineering	M.S.	Summer 1991
University of Maryland	Chemical Engineering	Ph.D.	Fall 1998

CURRENT AND PREVIOUS ACADEMIC POSITIONS: *(Institution, rank(s), beginning and ending dates for each rank)*

The University of Texas at Austin	Lecturer	1999-2002
The University of Texas at Austin	Research Associate	1999-2002
The University of Texas at Austin	Lecturer	2007-present

HONORS AND AWARDS: *(Include dates)*

2009 Outstanding Faculty Award in Chemical Engineering, Student Engineering Council
2014 Outstanding Faculty Award in Chemical Engineering, Student Engineering Council
2015 Outstanding Faculty Award in Chemical Engineering, Student Engineering Council

MEMBERSHIPS IN PROFESSIONAL AND HONORARY SOCIETIES: None

UNIVERSITY COMMITTEE ASSIGNMENTS: *(Include major departmental, college, and university assignments, including administrative assignments, with beginning and ending dates)*

Departmental-	Process Safety Models/Education committee	Spring 2016
	ABET committee	Summer 2016
College-		
University-		

PROFESSIONAL SOCIETY AND MAJOR GOVERNMENTAL COMMITTEES: *(Include dates)*

DEPARTMENTAL SERVICE:

2015-2016: Development of Process Safety Course (ChE 364S). Course first taught Spring 2015.

Fall 2015: Development of Process Safety Modules to incorporate safety topics into core departmental classes

Fall 2015: Supervised and guided student group with special project for ChE 264- Chemical Engineering Process and Projects Lab

Spring & Summer 2016: Served on departmental ABET committee to integrate process safety education

Fall 2016: Worked to align ChE 364S- Process Safety and safety education modules into ABET criteria

Spring 2017: Aided with integration of HAZOP analysis for student research in ChE 264-

PUBLICATIONS: **In listing publications, please use the following format:*
author's name(s), title of paper, journal name, volume number, page numbers, month and year.

A. Refereed Archival Journal Publications

R. Krauss, V. C. Weiss, T. A. Edison, J. V. Sengers and K. Stephan, Transport Properties of 1,1-Difluoroethane (R152a),Int. J. Thermophys. 17, pp. 731-757 (1996)

T. Edison and J. V. Sengers, Thermodynamic Properties of NH3 in the Critical Region, in Proceedings of an International Conference on Heat Transfer Issues in Natural Refrigerants (Center for Environmental Energy Engineering, University of Maryland, College Park, MD, 1997), Vol. 2, pp. 142-171

T. A. Edison, M. A. Anisimov, and J. V. Sengers, Critical Scaling Laws and an Excess Gibbs Energy Mode, Fluid Phase Equilibria 150-151, pp. 429-438 (1998)

T. A. Edison and J. V. Sengers, Thermodynamic Properties of Ammonia in the Critical Region, Int. J. Refrigeration 22, pp. 365-378 (1999)

J. Hahn, T. Edison, and T. F. Edger, (2001), A note on stability analysis using Bode plots, Chemical Engineering Education, 208 – 211.

R. Good, J. Hahn, T. Edison, and S. Joe Qin (2002), Drug dosage adjustment via Run-to-run control, Proceedings of the American Control Conference 2002.

J. Hahn, T. Edison, and T. F. Edger, (2002), Adaptive IMC control for drug infusion for biological systems, Control Engineering practice, 10, 45-56.

B. Refereed Conference Proceedings

C. Other Major Publications

D. Books, Chapters of Books; Editor of Books

E. Reviews

F. Technical Reports

ORAL PRESENTATIONS: (List co-authors, title of presentation, where given, and dates)

PATENTS:

Lloyd Berg, Thomas Edison. Separation of ketone isomers by extractive distillation US 5147512A

GRANTS AND CONTRACTS: (Co-principal investigators (if any), title of grant, sponsoring agency, total dollar value, beginning and ending dates)

None

PH.D. SUPERVISIONS COMPLETED: *(Name, *title, year, major dept, name of institution)*
(May want to add another column for titles.)

None

M.S. SUPERVISIONS COMPLETED: *(Name, year, major department, name of institution*
(May want to add another column for titles.)

None

PH.D. IN PROGRESS: *(List students names by category)*

None

M.S. IN PROGRESS: (*List students names)*

None

TEACHING

Semester	Courses Taught
Spring 1999	ChE 356- Optimization; Theory and Practice ChE 360- Process Control
Summer 1999	ChE 354- Transport Processes

Fall 1999	ChE 322- Thermodynamics ChE 360- Process Control
Spring 2000	ChE 322- Thermodynamics ChE 360- Process Control ChE 384- Robust Process Control
Summer 2000	ChE 354- Transport Processes
Fall 2000	ChE 317- Intro. To Chemical Engineering Analysis ChE 360- Process Control
Spring 2001	ChE 317- Intro. To Chemical Engineering Analysis ChE 360- Process Control
Summer 2001	ChE 322- Thermodynamics ChE 354- Transport Processes
Fall 2001	ChE 354- Transport Processes ChE 356- Optimization: Theory and Practice
Spring 2002	ChE 317- Intro. To Chemical Engineering Analysis ChE 376K – Statistical Quality Control
Summer 2002	ChE 363- Separation Process & Mass Transfer
Fall 2007	ChE 360- Process Control ChE 376K- Process Evaluation & Quality Control
Spring 2008	ChE 376- Systems Biology
Fall 2008	ChE 353- Transport Phenomena ChE 360- Process Control
Spring 2009	ChE 317- Intro. to Chemical Engineering Analysis
Summer 2009	ChE 372- Chemical Reactor Analysis and Design
Fall 2009	ChE 353- Transport Phenomena
Spring 2010	ChE 354- Transport Processes
Summer 2010	ChE 372- Chemical Reactor Analysis and Design
Spring 2011	ChE 323- Microelectronics ChE 356- Optimization: Theory and Practice
Spring 2012	ChE 264- Chemical Engineering Process and Projects Lab
Fall 2012	ChE 317- Intro. to Chemical Engineering Analysis ChE 353- Transport Phenomena
Spring 2013	ChE 317- Intro. to Chemical Engineering Analysis ChE 372- Chemical Reactor Analysis and Design
Fall 2013	ChE 353- Transport Phenomena ChE 372- Chemical Reactor Analysis and Design
Spring 2014	ChE 353- Transport Phenomena ChE 360- Process Control
Summer 2014	ChE 372- Chemical Reactor Analysis and Design
Fall 2014	ChE 353- Transport Phenomena ChE 372- Chemical Reactor Analysis and Design
Spring 2015	ChE 317- Intro. to Chemical Engineering Analysis ChE 379- Topics in Chemical Engineering
Summer 2015	ChE 372- Chemical Reactor Analysis and Design
Fall 2015	ChE 317- Intro. to Chemical Engineering Analysis

	ChE 363- Separation Process & Mass Transfer
Spring 2016	ChE 322- Thermodynamics ChE 363- Separation Process & Mass Transfer ChE 364S- Chemical Process Safety
Fall 2016	ChE 363- Separation Process & Mass Transfer ChE 364S- Chemical Process Safety ChE 372- Chemical Reactor Analysis and Design
Spring 2017	ChE 317- Intro. to Chemical Engineering Analysis ChE 364S- Chemical Process Safety ChE 372- Chemical Reactor Analysis and Design
Fall 2017	ChE 317- Intro. to Chemical Engineering Analysis ChE 364S- Chemical Process Safety ChE 372- Chemical Reactor Analysis and Design

VITA: *(One-half page paragraph that can be used for general purposes)*

Needs to be completed