



**Intern Roster  
1992 – 2011**

Year/Sponsor/Mentor:	<b>2011</b>	<b>The Wege Foundation, Steelcase, Grand Rapid, MI</b>	Dave Rinard
Project:	Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment initiatives, development of metrics and data collection for Corporate Sustainability Report, and reducing their global footprint.		
Intern/Affiliation:	<b>Nicole Labutong</b>	M.S. Sustainable Sys. & Env. Informatics / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	<b>2011</b>	<b>U-M Center for Sustainable Systems</b>	Helaine Hunscher
Project:	Update 23 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.		
Intern/Affiliation:	<b>Alphonse Anderson</b>	Mechanical Engineer / UM alum	
Year/Sponsor/Mentor:	<b>2011</b>	<b>DELEG / MDEQ - RheTech Inc., Whitmore Lake, MI</b>	Dale Copedge
Project:	Implement the Economy, Energy, and Environment (E3) solutions identified in a recent energy audit conducted by a member of the E3 partnership, which may include an energy efficiency improvement, waste reduction or environmental footprint reduction, or sustainable manufacturing practice.		
Intern/Affiliation:	<b>Adam Olshove</b>	BSE Mechanical Engineering / UM	
Faculty Mentor:	Dr. Jarod Kelly		
Year/Sponsor/Mentor:	<b>2010</b>	<b>The Wege Foundation, Steelcase, Grand Rapid, MI</b>	Dave Rinard
Project:	Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment initiatives, development of metrics and data collection for Corporate Sustainability Report, and reducing their global footprint.		
Intern/Affiliation:	<b>Jenn Gough</b>	M.S. Sustainable Systems / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	<b>2010</b>	<b>U-M Center for Sustainable Systems &amp; Alcoa Foundation</b>	Helaine Hunscher
Project:	Update 22 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.		
Intern/Affiliation:	<b>Adam Bennett</b>	M.S. Sustainable Systems / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		
Year/Sponsor/Mentor:	<b>2010</b>	<b>U-M Center for Sustainable Systems &amp; Alcoa Foundation</b>	Helaine Hunscher
Project:	Update 22 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.		
Intern/Affiliation:	<b>Ryan Smith</b>	M.S. Sustainable Sys, MSE MechEng / UM	
Faculty Mentor:	Dr. Gregory A. Keoleian		

Year/Sponsor/Mentor: **2009 The Wege Foundation, Steelcase, Grand Rapid, MI** Dave Rinard

Project: Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment initiatives, development of metrics and data collection for the first Corporate Sustainability Report, and implementation and reporting of Steelcase’s commitment to reduce their global footprint.

Intern/Affiliation: **Anne Winter** B.S. Chemical Engineering / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2009 U-M Center for Sustainable Systems & Alcoa Foundation** Helaine Hunscher

Project: Update 18 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.

Intern/Affiliation: **Matthew Durham** B.S.E. Chemical Engineering / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2009 U-M Center for Sustainable Systems & Alcoa Foundation** Helaine Hunscher

Project: Update 18 Factsheets on the sustainability of various systems that meet human needs by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Update the Sustainability: Live It – Learn It website.

Intern/Affiliation: **Elizabeth Durfee** M.S. Sustainable Systems / UM

Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2009 CMS Energy** Helaine Hunscher

Project: Calculate the energy and carbon footprint of CMS facilities in order to evaluate options for reducing costs associated with facility operations and prepare for a national carbon tax.

Intern/Affiliation: **Craig Cammarata** Dual M.P.P & M.S. Sustainable Systems / UM

Faculty Mentor: Dr. David Mengebier

Year/Sponsor/Mentor: **2009 MDEQ Water Bureau** Helaine Hunscher

Project: Benchmark wet weather discharges policies in the U.S. EPA and the individual states regulatory agencies. Use the internet to identify information that currently exists on-line. Develop questionnaires to seek desired information not available from online sources.

Intern/Affiliation: **Hilton Clark** Dual M.P.H. Env Health Science & M.S. Sustainable Systems / UM

Faculty Mentor: Dr. Jonathan W. Bulkley

Year/Sponsor/Mentor: **2009 MDEQ Water Bureau** Helaine Hunscher

Project: Benchmark wet weather discharges policies in the U.S. EPA and the individual states regulatory agencies. Use the internet to identify information that currently exists on-line. Develop questionnaires to seek desired information not available from online sources.

Intern/Affiliation: **Danielle LeFevre** M.S. Env Engineering / UM

Faculty Mentor: Dr. Jonathan W. Bulkley

Year/Sponsor/Mentor: **2009 MDEQ Water Bureau** Helaine Hunscher

Project: Benchmark wet weather discharges policies in the U.S. EPA and the individual states regulatory agencies. Use the internet to identify information that currently exists on-line. Develop questionnaires to seek desired information not available from online sources.

Intern/Affiliation: **Amy Samples** M.S. Environmental Policy / UM

Faculty Mentor: Dr. Jonathan W. Bulkley



## Center for Sustainable Systems

Year/Sponsor/Mentor:	<b>2008 The Wege Foundation, Steelcase, Grand Rapid, MI</b>	Dave Rinard & Phil Hester
Project:	Work on ISO 14,001 implementation, energy conservations initiatives, waste reduction and recycling research, product design for environment initiatives, development of metrics and data collection for the first Corporate Sustainability Report, and implementation and reporting of Steelcase's commitment to reduce their global footprint.	
Intern/Affiliation:	<b>Ashley Murphree</b>	B.S. Mech. & Civil and Env Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2008 Steelcase, Grand Rapid, MI</b>	Angela Nahikian
Project:	Support new and ongoing environmental initiatives including LCA data gathering, providing content for Marketing, Communications and Sales teams, assist with DFE training tool development, Material Assessment support, Cradle to Cradle certification support, and BIFMA Sustainable Assessment Standard evaluations.	
Intern/Affiliation:	<b>Elin Olson</b>	M.S. Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2008 MDEQ – Honeywell Burdick &amp; Jackson, Muskegon, MI</b>	Dick Davis
Project:	Investigate current solvent processing methods and technologies, develop a new approach and conduct lab-scale experiments to demonstrate effectiveness of new approach.	
Intern/Affiliation:	<b>Andrew Parth</b>	B.S. Chemical Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2008 U-M Center for Sustainable Systems</b>	Helaine Hunscher
Project:	Update 15 Factsheets by conducting research to gather data on the current patterns of use, environmental impacts and sustainable alternatives. Develop two new Factsheets.	
Intern/Affiliation:	<b>Alphonse Anderson</b>	MSE Mechanical Engineering / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2008 U-M School Nat. Resources &amp; Env.</b>	Duncan Callaway
Project:	Code software to automate importation of existing .txt files; compare the overall efficiency of the PV system with one or more existing solar models for PV applications.	
Intern/Affiliation:	<b>Sina Sadeghi Bagsorkhi</b>	Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2008 IISI – Living Steel</b>	Scott Chubbs
Project:	Conduct LCA of steel-structured 120 unit residential and retail building in Wuhan, China	
Intern/Affiliation:	<b>Julia Koslow</b>	Dual MS-MBA / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2008 IISI – Living Steel</b>	Scott Chubbs
Project:	Conduct LCA of steel-structured 120 unit residential and retail building in Wuhan, China	
Intern/Affiliation:	<b>Alan Bush</b>	Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2007 Steelcase, Grand Rapid, MI</b>	Dave Rinard & Phil Hester
Project:	Modify recycled content database methods to fit a newly-developed industry standard for systems furniture products; conducted feasibility study for a small, off-grid renewable energy installation for a Grand Rapids site.	
Intern/Affiliation:	<b>Therese Dorau</b>	Sustainable Systems / UM
Faculty Mentor:	Dr. Gregory A. Keoleian	

Year/Sponsor/Mentor: **2007 Steelcase, Grand Rapid, MI** Denise VanValkenberg  
Project: Support new and ongoing environmental initiatives including Lifecycle Assessment data gathering, providing content for Marketing, Communications and Sales teams, assist with DFE training tool development, Material Assessment support, Cradle to Cradle certification support, and BIFMA Sustainable Assessment Standard evaluations.

Intern/Affiliation: **Ben Massie** Sustainable Systems / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2007 MDEQ – Biolab in Adrian, MI** Greg Snyder  
Project: Pollution prevention in wastewater treatment and reducing noise pollution in the plant.  
Intern/Affiliation: **David Carpenter** Chemical Engineering / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2007 MDEQ – Department of Transportation Lansing, MI** Molly Lamrouex & Bethany Mathousek  
Project: Gather & map the water quality information of bodies of water surrounding the highway project sites to assess impact of MDOT projects. Inventory aviation fuel to develop Spill Prevention Control & Containment plans.  
Intern/Affiliation: **Alex Lopez** Civil & Environmental Engineering / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2006 University of Michigan - OSEH** Andy Berki  
Project: Technical Update on Environmental Reporting for U-M Ann Arbor Campus  
Develop 4 Factsheets on U-M Environmental Performance  
Intern/Affiliation: **Wai Chen (Arthur) Chan** Sustainable Systems / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2006 Steelcase, Grand Rapid, MI** Dave Rinard  
Project: Product Recyclability Claims & Recycled Content Database & Materials Substantiation  
Product Environmental Performance  
Intern/Affiliation: **Peter Bailey** Sustainable Systems / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2005 Steelcase, Grand Rapid, MI** Dave Rinard  
Project: Green Supply Chain Management (SCM) Standards and Metrics  
Product Recyclability Claims & Recycled Content Database  
GHG Inventory  
Intern/Affiliation: **Dimitri Shanin** Public Policy / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2004 MDEQ – Department of Air Quality Lansing, MI** Dave Mason  
Project: Develop a Baseline GHG inventory for State of Michigan  
Intern/Affiliation: **Colin McMillan** Environmental Engineering / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2004 MDEQ - Bronson Medical Hosp, Kalamazoo, MI** Daniel Kettenbeil  
Project: Solutions for reduction of redundant energy use  
Intern/Affiliation: **Kwok Cheong Leung** Natural Resources. & Environment / UM  
Faculty Mentor: Dr. Gregory A. Keoleian



## Center for Sustainable Systems

Year/Sponsor/Mentor: **2004 Steelcase, Grand Rapid, MI** Dave Rinard  
Project: Continue Life Cycle Inventory of 3 products: work-surface, storage & panel  
Intern/Affiliation: **Bernhard Dietz** Natural Resources. & Environment / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2004 Steelcase, Grand Rapid, MI** Phil Hester  
Project: Environmental profile of recycled content in product lines  
Intern/Affiliation: **Laura Flanigan** CEMP / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2003 MDEQ, SE Michigan** Marcel L. Halberstadt  
Project: 2003 Hospital Waste Survey  
Intern/Affiliation: **Travis Dahl** Environmental Engineering/ UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2003 Steelcase, Grand Rapid, MI** Phil Hester  
Project: Continue to develop a database for recycled content, Identify recyclability of current products, Identify waste elimination opportunities, Identify reuse options  
Intern/Affiliation: **Hillary Richmond** Natural Resources. & Environment / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2003 Steelcase, Grand Rapid, MI** Dave Rinard  
Project: Life Cycle Inventory of 3 products: work-surface, storage & panel  
Intern/Affiliation: **Bernhard Dietz** Natural Resources. & Environment / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2002 FRA, Washington, DC** Neil Moyer  
Project: Summer Intern for Specialized Environmental, Energy, Cost/Benefit, and Related Studies of Intercity rail Passenger Service  
Intern/Affiliation: **Tom Franzinger** Urban Planning/ UM  
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **2002 MDEQ, SE Michigan** Randy Gibbs, Anderson Development Company  
Project: Conversion of Hexane Waste Stream  
Intern/Affiliation: **Monica Smylor** Chemical Engineering/ UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2002 MDEQ, SE Michigan** Dave Mauro  
Project: Water Conservation, High-Bay Lighting, Alternative to Landfilling wood waste  
Intern/Affiliation: **Dan Carnes** Chemical Engineering/ UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2002 Steelcase, Grand Rapid, MI** Philip D. Hester  
Project: Develop a database for recycled content, Identify recyclability of current products, Identify waste elimination opportunities, Identify reuse options  
Intern/Affiliation: **Staci Harger** Environmental Policy and Economics/ UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor: **2002 Ford, Dearborn, MI** John Sullivan  
Project: National LCI Database of Aluminum Casting Processes for Automobile Manufacturing  
Intern/Affiliation: **Rebecca Messing** B.S. Interdisciplinary Engineering / UM  
Faculty Mentor: Dr. Gregory A. Keoleian

Year/Sponsor/Mentor:	<b>2001 FRA, Washington, DC</b>	Steve Ditmeyer
Project:	Summer Intern for Specialized Environmental, Energy, Cost/Benefit, and Related Studies of Intercity rail Passenger Service	
Intern/Affiliation:	<b>Elyse Steiner</b>	CEMP/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2001 MDEQ, SE Michigan</b>	Jenna Latt
Project:	Reducing Water Consumption by a Metal Finishing Company	
Intern/Affiliation:	<b>Tamika Young</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2001 MDEQ, SW Michigan</b>	Jenna Latt
Project:	Conductivity Control Systems in the Metal Finishing Industry	
Intern/Affiliation:	<b>Hon-Sue Gu</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2001 MDEQ, GM Hamtramck</b>	Steve Kulesia
Project:	Community Environmental Awareness	
Intern/Affiliation:	<b>Kristi Stewart</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2001 NREL, Golden, CO</b>	Maggie Mann/Lynn Billman
Project:	Sustainability Assessment	
Intern/Affiliation:	<b>Jake Swenson</b>	CEMP/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2001 Steelcase, Grand Rapid, MI</b>	Steve Price
Project:	Alternatives to Packaging for Parts	
Intern/Affiliation:	<b>Hui Ling Lee</b>	Environmental Policy and Economics/ UM
Year/Sponsor/Mentor:	<b>2001 UM Plant - OSEH</b>	Yoshiko Hill/Andrew Berki
Project:	UM Sustainability Assessment and Reporting	
Intern/Affiliation:	<b>Elizabeth Terry</b>	CEMP/ UM
Faculty Mentor:	Dr. Jonathan W. Bulkley, Professor & Co-Director Center for Sustainable Systems Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems	
Year/Sponsor/Mentor:	<b>2001 UM Plant - Utilities</b>	Andrew Berki
Project:	Energy Conservation	
Intern/Affiliation:	<b>Kathleen Grimes</b>	Physics/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2001</b>	
Project:	Technology for Sustainable Environment: Life Cycle Optimization of Vehicle Replacement	
Intern/Affiliation:	<b>Pamela O'Leary</b>	NASA SHARP/SAP
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2000 US EPA, Washington DC</b>	Barbara Karn
Project:	Industrial Ecology Database	
Intern/Affiliation:	<b>Christine Bogaerts</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian	
Year/Sponsor/Mentor:	<b>2000 3M Corp., St. Paul, MN</b>	
Project:	Environmental Implications of Switching from the Conventional Drying Oven to a Gap Dryer	
Intern/Affiliation:	<b>Matthew J. Robertson</b>	Chemical Engineering/ UM
Faculty Mentor:		



## Center for Sustainable Systems

Year/Sponsor/Mentor: **2000 Center for Sustainable Systems**  
Project: Technology for Sustainable Environment: Life Cycle Optimization of Vehicle Replacement  
Intern/Affiliation: **Sharina Mapleton** NASA SHARP/SAP  
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **2000 3M Corp., St. Paul, MN** Brent Bystrom  
Project: Life Cycle Assessment of a High Performance Cloth  
Intern/Affiliation: **Carly Sarna** Chemical Engineering/ UM  
Faculty Mentor:

Year/Sponsor/Mentor: **2000 Guardian Inds., MI** Michael Turnbull  
Project: Re-Validation of the Guardian Industries Sulfur Emissions Model  
Intern/Affiliation: **Michael Wagner** Chemical Engineering/ UM  
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **2000 3M Corp., St. Paul, MN** David J. Schutt  
Project: Web Drying: Applications at 3M  
Intern/Affiliation: **Catherine Lee** Civil & Environmental Engineering./ UM  
Faculty Mentor:

Year/Sponsor/Mentor: **1999 Eastman Kodak Co.** Catie Blackler  
Project: Life Cycle Assessment of a Digital Camera  
Intern/Affiliation: **Jeff Manternach** University of Michigan  
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **1999 Center for Sustainable Systems** Greg Keoleian  
Project: Electricity Production in Washtenaw County  
Intern/Affiliation: **Lauren Moss** Summer Apprenticeship Program  
Faculty Mentor: Dr. Gregory A. Keoleian, Research Scientist & Co-Director Center for Sustainable Systems

Year/Sponsor/Mentor: **1998 Chrysler Corporation** Doug Orf  
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations  
Intern/Affiliation: **Steven Booth** College of Engineering/UM  
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor  
Dept. of Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1998 Ford Motor Company** Phil Lawrence  
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations  
Intern/Affiliation: **Rebecca Fitzgerald** Chemical Engineering/MTU  
Faculty Mentor: Dr. Michael Mullins, Professor  
Chemical Engineering, Michigan Technological Univ.

Year/Sponsor/Mentor: **1998 MDEQ, Lansing, MI** Wendy Fizner  
Project: Michigan Pulp and Paper Environmental Council; Pulp & Paper Case Studies  
Intern/Affiliation: **Jeremy Hoeh** Chemical Engineering/ MSU  
Faculty Mentor: Dr. Dennis Miller  
Chemical Engineering, Michigan State University

Year/Sponsor/Mentor: **1998 General Motors Corp.** Sandy Brewer  
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations

Intern/Affiliation: **Bryon Lawrence** Natural Resources. & Environment / UM  
Faculty Mentor: Dr. G. A. Keoleian, Research Director, National Pollution Prevention Center

Year/Sponsor/Mentor: **1998 AAMA: Pollution Reduction Div** Donald Edmunds  
Project: AAMA-Environmental Evaluation of Hydraulic Fluids, Oils and Greases Used in Manufacturing & Maintenance Operations

Intern/Affiliation: **Todd Schebor** College of Engineering/ UM  
Faculty Mentor: Dr. Gloria Helfand, Associate Professor  
School of Natural Resources & Environment, University of Michigan

Year/Sponsor/Mentor: **1997 Chrysler Corporation** Linda Plate  
Project: Research Assistance and Case Study Development in Pollution Prevention in the Auto Industry

Intern/Affiliation: **Michael J. Colarossi** Chemical Engineering/ UM  
Faculty Mentor: Dr. Philip Savage, Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1997 Waldorf/Rock-Tenn** Michelle Nault  
Project: Water/Sewer System P2 at Waldorf Corporation

Intern/Affiliation: **Sara Cox** Environmental Engineering/WMU  
Faculty Mentor: Dr. Van Maltby, Professor, Dept. of Environmental Engineering, Western Michigan University

Year/Sponsor/Mentor: **1997 Mead Publishing Paper Division** Kathy Jacoby  
Project: Pollution Prevention Opportunities at a Large Pulp and Paper Mill

Intern/Affiliation: **Christopher Edlin** Civil & Environmental Engineering./ UM  
Faculty Mentor: Dr. Kurt Paterson, Professor  
Dept. of Civil & Environmental Engineering, Michigan Technological U

Year/Sponsor/Mentor: **1997 AAMA** Donald Edmunds  
Project: Analysis of Auto Project

Intern/Affiliation: **Scott Grasman** Industrial Engineering/ UM  
Faculty Mentor: Dr. John Roberts Birge, Professor & Chair  
Dept. of Industrial and Operations Engineering, University of Michigan

Year/Sponsor/Mentor: **1997 Champion International Corp.** Wally Blair  
Project: Sewer Loss Monitoring and Minimization

Intern/Affiliation: **Nicole J. Grossen** Chemical Engineering/ MTU  
Faculty Mentor: Dr. David Hand, Professor  
Dept. of Chemical Engineering, Michigan Technological University

Year/Sponsor/Mentor: **1997 AAMA** Donald Edmunds  
Project: Research Assistance & Case Study Development in Pollution Prevention in the Auto Industry

Intern/Affiliation: **Krista Hoversten** Dept. of Engineering/ MTU  
Faculty Mentor: Dr. Kurt Paterson, Professor  
Dept. of Engineering, Michigan Technological University

Year/Sponsor/Mentor: **1997 General Motors Corporation** Sandy Brewer  
Project: Research Assistance & Case Study Development in Pollution Prevention in the Auto Industry

Intern/Affiliation: **Scott Ratz** Chemical Engineering/ UM  
Faculty Mentor: Dr. Phil Savage, Professor  
Dept. of Chemical Engineering, University of Michigan



## Center for Sustainable Systems

Year/Sponsor/Mentor:	<b>1997 Ford Motor Company</b>	Rebecca Messick
Project:	Life Cycle Analysis on Magnesium vs Aluminum for Transmission Case Design	
Intern/Affiliation:	<b>Peter Reppe</b>	Natural Resources & Environment / UM
Faculty Mentor:	Dr. G. A. Keoleian, Research Director National Pollution Prevention Center	
Year/Sponsor/Mentor:	<b>1997 E.B. Eddy</b>	Ms. Chris Lupu
Project:	Research Assistance in Pollution Prevention in the Paper Industry	
Intern/Affiliation:	<b>Stephanie Schultz</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1997 Ford Motor Company</b>	Philip Lawrence
Project:	Research Assistance and Case Study Development in Pollution Prevention in the Auto Industry	
Intern/Affiliation:	<b>Ellen Schwab</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Johannes Schwank, Professor Dept. of Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1996 Chrysler Corporation</b>	Linda Plate
Project:	Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants	
Intern/Affiliation:	<b>Michael J. Colarossi</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor Dept. of Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1996 AAMA</b>	Donald Edmunds
Project:	Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants	
Intern/Affiliation:	<b>Laura M. Diepenhorst</b>	Civil & Environmental Engineering./ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor Dept. of Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1996 Xerox Corporation</b>	Dr. Jack AzaR
Project:	Analytical Assistance & Technical Support for the Hazardous Waste & Recyclability Assessments of Xerox-Marketed Products	
Intern/Affiliation:	<b>Thomas H. Savage</b>	CEMP / UM
Faculty Mentor:	Dr. G.A. Keoleian, Research Director National Pollution Prevention Center	
Year/Sponsor/Mentor:	<b>1996 General Motors Corporation</b>	Sandra Brewer
Project:	Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants	
Intern/Affiliation:	<b>Colleen West</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor Dept. of Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1996 Ford Motor Company</b>	Philip Lawrence
Project:	Identifying the Opportunities to Reduce the Use of Great Lakes Persistent Toxic-Substances at U.S. Automotive Plants	
Intern/Affiliation:	<b>Kristopher Wiljanen</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor Dept. of Chemical Engineering, University of Michigan	

Year/Sponsor/Mentor:	<b>1995 Chrysler Corporation</b>	Linda Plate
Project:	Best Management Practices in Spray Booth Cleaning	
Intern/Affiliation:	<b>Chris Davis</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. John Roberts Birge, Professor & Chair Dept. of Industrial and Operations Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1995 Ford Motor Corporation</b>	Philip Lawrence
Project:	Best Management Practices in Spray Booth Cleaning	
Intern/Affiliation:	<b>Nicole Chardoul</b>	Civil & Environmental Engineering./ UM
Faculty Mentor:	Dr. John Roberts Birge, Professor & Chair Dept. of Industrial and Operations Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1995 AAMA</b>	Donald Edmunds
Project:	Best Management Practices in Spray Booth Cleaning	
Intern/Affiliation:	<b>Scott Grasman</b>	Industrial Engineering/ UM
Faculty Mentor:	Dr. John Roberts Birge, Professor & Chair, Industrial and Operations Engineering	
Year/Sponsor/Mentor:	<b>1995 General Motors Corporation</b>	Sandra Brewer
Project:	Best Management Practices in Spray Booth Cleaning	
Intern/Affiliation:	<b>Colleen West</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1994 Guardian Industries</b>	Michael Turnbull
Project:	Guardian Industries' Audit Software	
Intern/Affiliation:	<b>Carl Ferguson</b>	CEMP / UM
Faculty Mentor:	Dr. Stuart Hart, Director, Corporate Environmental Management Program, University of MI	
Year/Sponsor/Mentor:	<b>1994 General Motors Corporation</b>	Sandra Brewer
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	<b>Christine Bogaerts</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Gregory A. Keoleian, Research Director, National Pollution Prevention Center	
Year/Sponsor/Mentor:	<b>1994 General Motors Corporation</b>	Sandra Brewer
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	<b>Jason Ferns</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1994 3M Corporation</b>	Thomas Zosel
Project:	3M: Waste Minimization	
Intern/Affiliation:	<b>Tricia Ferrell</b>	Chemical Engineering, Washington University
Faculty Mentor:	Dr. William Lanen, Associate Professor, Dept. of Accounting, University of Michigan	
Year/Sponsor/Mentor:	<b>1994 Optical Imaging Systems</b>	Rex Tapp
Project:	Optical Imaging Systems: Pollution Prevention Opportunities in Flat-Panel Display Industry	
Intern/Affiliation:	<b>Jonathan Koch</b>	CEMP / UM
Faculty Mentor:	Dr. G. A. Keoleian, Research Director, National Pollution Prevention Center	
Year/Sponsor/Mentor:	<b>1994 Ford Motor Company</b>	Philip Lawrence
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	<b>Michael Valentine</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	
Year/Sponsor/Mentor:	<b>1994 Chrysler Corporation</b>	Linda Plate
Project:	Auto Body Solvent Wipe Process	
Intern/Affiliation:	<b>Becky Vaner Eyk</b>	Chemical Engineering/ UM
Faculty Mentor:	Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan	



## Center for Sustainable Systems

Year/Sponsor/Mentor: **1993 U.S. Env. Protection Agency** David Kling  
Project: EPA's Comprehensive Pollution Prevention Orientation Slide Show  
Intern/Affiliation: **Holly Evans** Natural Resources & Environment/ UM  
Faculty Mentor: Dr. Jonathan Bulkley, Professor  
Dept. of Civil & Environmental Engineering, University of Michigan  
Director, National Pollution Prevention Center

Year/Sponsor/Mentor: **1993 Ford Motor Company** Philip Lawrence  
Project: Determining Mass Balances in Ford-Wixom's Phosphate Coating System. \*Multi-Media CD-ROM  
Intern/Affiliation: **Lori Barnard** Chemical Engineering/ UM  
Faculty Mentor: Dr. Susan Montgomery, Assistant Professor, Chemical Engineering, University of Michigan

Year/Sponsor/Mentor: **1993 Steelcase, Inc.** David Rinard  
Project: Waste Minimization Audit Guide  
Intern/Affiliation: **James E. Hensley** Industrial Eng/Grand Valley State University  
Faculty Mentor: Ms. Janet Vail  
Water Resources Institute

Year/Sponsor/Mentor: **1993 US Environ. Protection Agency** David Kling  
Project: EPA's Comprehensive Pollution Prevention Orientation Slide Show  
Intern/Affiliation: **Krista Johnsen Leuteritz** Natural Resources & Environment/ UM  
Faculty Mentor: Dr. Jonathan Bulkley, Professor  
Dept. of Civil & Environmental Engineering, University of Michigan  
Director, National Pollution Prevention Center

Year/Sponsor/Mentor: **1993 National Center for Manufacturing Sciences** Clare Vinton  
Project: Achieving Environmental Excellence  
Intern/Affiliation: **Robert G. Landers** Mechanical Engineering/ UM  
Faculty Mentor: Dr. John Ettl, Associate Professor  
Dept. of Operations Management, University of Michigan

Year/Sponsor/Mentor: **1992 Ford Motor Company** Philip Lawrence  
Project: Total Quality Management: Pollution Prevention as Continuous Improvement at Ford Motor Company  
Intern/Affiliation: **Leith Harmon** Industrial & Operations Engineering / UM  
Faculty Mentor: Dr. Stephen Pollock, Professor  
Dept. of Industrial & Operations Engineering, University of Michigan

Year/Sponsor/Mentor: **1992 Ford Motor Company** Philip Lawrence  
Project: Degreaser Replacement at Ford Motor Company's Climate Control Division  
Intern/Affiliation: **Adam Larky** Civil & Environmental Engineering./ UM  
Faculty Mentor: Dr. Jonathan Bulkley, Professor  
Dept. of Civil & Environmental Engineering, University of Michigan  
National Pollution Prevention Center