

# LUNA CHANDNA

[lchandna@tamu.edu](mailto:lchandna@tamu.edu)

## EDUCATION

---

- Present      Doctoral Student, 2020/2021 cohort, Sociology, Texas A&M University  
                  SOCI 611, Classical Sociological Theory  
                  SOCI 623, Measures of Sociological Parameters  
                  SOCI 681, Graduate Seminar in Sociology: New Students  
                  SOCI 631, Seminar in Statistics for Sociology
- 1991          MS, Environmental & Industrial Health, University of Michigan
- 1990          BS, Science, Pennsylvania State University

## RESEARCH INTERESTS

---

Race and Ethnicity, Racial Identity, Ethnic Identity, Social Demography, Education, Immigration

Present: Personal Graduate Research Assistant, Dr. Mary Campbell, Director of TXRDC

Spring 2021: Volunteer Research Assistant, Effective Communication Strategies During COVID-19, PIs: Dr. Lakkimsetti, Dr. Santana

## PUBLICATIONS

---

- 2006   Bich-Yen Nguyen, ...**Luna Chandna**, et al. "A Balancing Act Recent Progress on Strained Silicon Channel Engineering for 65nm CMOS and Beyond." Yield Management Solutions. [See here](#).
- 2002   **L. Chandna**, A. Bustamante-Reynoso, C. Nauert, K. Hendricksen. "EHS Investigation of CVD Exhaust System: Identification and Mitigation of Potential Release of Process Gases and By-Products." Environmental Issues with Materials and Processes for the Electronics and Semiconductor Industries V, The Electrochemical Society. pp 237-248. [See here](#).

## CONFERENCE PRESENTATIONS

---

**Presented:**

- 2021 **L. Chandna.** “Methodology for the Assessment of Indian American Values and Behaviors & Intergenerational Variance.” Indigenous Populations; SSSA Conference. New Orleans, LA.
- 2003 **L. Chandna.** “A Comprehensive Industrial Hygiene Risk Assessment Program.” Exposure Assessment Strategies; American Industrial Hygiene Conference and Exposition. Dallas, TX.
- 2003 **L. Chandna,** A. Bustamante-Reynoso, C. Nauert, K. Hendricksen. “EHS Investigation of CVD Exhaust System: Identification and Mitigation of Potential Release of Process Gases and By-Products.” Electrochemical Society Symposium. College Station, TX.
- 2002 **L. Chandna,** C. Berg, K. Hendricksen, S. Troyer. “A Robust Approach for Conducting Industrial Hygiene Risk Assessments at a Large Semiconductor Manufacturing Site.” Semiconductor Environmental Safety and Health Association Conference. Phoenix, AZ.
- 2000 **L. Chandna.** “A Streamlined Approach for the Effective Management of a Large Medical Surveillance Program.” Occupational Medicine: Cases, Innovations, and Disease; American Industrial Hygiene Conference and Exposition. Orlando, FL.
- 1994 **L. Chandna.** “Effective Manipulation of a Large Noise Database to Focus Management Towards a Proactive Noise Control Program.” American Industrial Hygiene Conference and Exposition. Anaheim, CA.

## AWARDS & HONORS

---

- 2019 Volunteer of the Month for Jeremiah Program, a non-profit focused on ending generational poverty two generations at a time. [See here.](#)
- 2005 Austin Technology & Manufacturing Center She-Ro Recognition and Appreciation Award for Leadership of The WAVE Diversity Team, a sub-team of the Freescale Corporate Diversity Team. Women for the Advancement of Value and Empowerment. I successfully lead ~150 employees in Austin to achieve the inclusion and addition of women and people of color to the Corporate Leadership Development Pipeline.
- 1996 Featured in an article for *Synergist*, the official publication of The American Industrial Hygiene Association. “Detours in the Path: A Tale of 3 IH Professionals.” [See here.](#)
- 1991 School of Public Health Academic Scholarship, University of Michigan (\$4,800)

1990 NIOSH Traineeship, for Academic Excellence, University of Michigan (~\$25,500)

## SERVICE

---

### LEADERSHIP

- 1998-Present Board Member, Canadian World Education Fund  
Non-profit focused on educating the children of widows in India and Africa.  
<http://www.cwef.ca/>
- 2021-Present Women's Philanthropic Advisory Board Donor Task Force, Penn State University  
Work with Penn State University Development Staff to develop ideas and promote processes and best practices to effectively engage and inspire women in philanthropy across the institution.  
[Women's Philanthropic Advisory Board](#)
- 1995 - 2018 Board Member, ARKAY Tech  
Chemical company responsible for developing and bringing to market novel solutions focused on the mitigation SO<sub>x</sub> and NO<sub>x</sub> emissions from coal burning operations at electrical power plants.
- 2008 – 2009 Vice President of PTA, elected position  
Canyon Vista Middle School, Austin, TX.

### TEACHING

- 2020 - 2021 Invited Speaker, Intercultural Communications 322, Montclair College
- 2020 - 2021 Invited Speaker, Interfaith Heritage and Studies 3356, Baylor University
- 2013 – 2016 Tutored students in AP Chemistry, AP Physics, AP Biology, and Geometry
- 2015 Supervised high school research project on off-gassing of benzene in heated turf
- 2006 – 2009 Founded and operated Spicewood Elementary School Chess Club  
Responsible for organizing, teaching and instructing 300 children in the game of chess and taking them to local competitions, following USCF rules, guidelines and rankings
- 2006 – 2009 Leader of Balvikaas group for 15 children  
Responsible for curriculum development and delivery of religious education for children of local ethnic community

- 2007 Substituted in Spicewood Elementary 5<sup>th</sup> grade classroom, monthly
- 2006 Tutored Spicewood Elementary third graders in advanced math skills, weekly
- 2006 Tutored Spicewood Elementary third graders in remedial math skills, weekly

## COMMUNITY

- 2011-2020 YMCA Martial Arts Program Parent Orientation Leader
- 2019 Project Graduation Committee Member; spearheaded by Mothers Against Drunk Driving, this program provides a safe space for high school graduates to celebrate together, LASA High School, Austin, TX
- 2017 - 2019 Classroom Parent. Focused on implementing mental health strategies to help students cope with suicides of 2 classmates, LASA High School, Austin, TX
- 2014 Project Graduation Committee Member; spearheaded by Mothers Against Drunk Driving, this program provides a safe space for high school graduates to celebrate together, Westwood High School, Austin, TX
- 2006 - 2010 Classroom Parent for library and math activities, Spicewood Elementary School
- 2007 Coordinator of Teacher Appreciation Lunches, Spicewood Elementary School
- 2007 Member of Food Service Committee, Round Rock Independent School District
- 2006 - 2010 PTA fundraising events; Carnival, Asian American Festival, International Day

## PROFESSIONAL EXPERIENCE

---

- 2017 – 2020 **Life Skills & Empowerment Facilitator**, Jeremiah Program Austin, TX  
This non-profit's mission is to end poverty two generations at a time, and serves single mothers who are seeking a post-secondary degree.
- 2006 – 2017 **Full Time Homemaker**, Austin, TX  
While raising a family, volunteered in numerous capacities for the community. I have found helping students on their journey of academic learning and personal growth to be the most fulfilling.

2004 – 2006 **Photolithography Process Engineer**, Freescale Semiconductor, Austin, TX  
 Evaluated photoresists for optimal performance in multiple layers for various technologies. Worked with research team to investigate manufacturing limitations for new pipeline technologies.

## **PROFESSIONAL EXPERIENCE (cont'd)**

---

1997 – 2004 **Sr. Industrial Hygienist**, Motorola Semiconductor Products Sector, Austin, TX  
 Responsible for the recognition, evaluation, and control of workplace hazards. Worked with management and multiple cross-functional teams to conduct chemical exposure and risk assessments. Appointed to Crisis Management Team at the corporate level; secured safety of employees and capital in times of crisis. Assumed positions of increasing responsibility and leadership at the global level while maintaining technical expertise in Environmental Health and Safety programs.

1996 – 1997 **Industrial Hygienist**, Self-employed, Gilbert, AZ  
 Consulted on a wide variety of Industrial Hygiene and Safety projects.

1995 – 1996 **Industrial Hygienist**, TRW Vehicle Safety Systems, Gilbert, AZ  
 Oversaw all aspects of Industrial Hygiene at a vehicle airbag manufacturing site. Acted as the point of contact for media/external affairs and government investigations of safety incidents.

1992 – 1994 **Industrial Hygienist**, Eli Lilly and Company, Lafayette, IN  
 Successfully applied multiple principles of industrial hygiene practice, resulting in greater than \$300K cost reductions. Responsible for Exposure Assessments, prescribing PPE, training technicians and working with management to implement hazard controls and prudent practices to protect worker health and safety.

1990 – 1991 **Research Assistant**, University of Michigan Center for Ergonomics  
 Surveyed and categorized human cumulative and repetitive trauma disorders of the hand and wrist

## **SKILLS**

---

Microsoft Office Suite: Word, Excel, PowerPoint

## **LANGUAGE PROFICIENCY**

---

English: Native

Hindi: Native

French: Intermediate

Bengali, Bhojpuri, Gujarati, Magahi, Punjabi, and Sanskrit: Advanced Beginner

**PROFESSIONAL MEMBERSHIP**

---

Southwestern Social Science Association, 2021