

# Curriculum Vitae

## First Name Last Name

Position

Department

University of Michigan, College of Engineering

Business Address

City, State, Zip

Office Phone: 222-222-2222

Cell Phone: 222-222-2222

myname@umich.edu

## Education

(Degrees, dates, schools, title of doctoral dissertation, and name of dissertation advisor(s) in reverse chronological order with the most recent degree first)

## Appointments

**Positions at U of M** *(titles and dates)*

**Positions at other institutions or organizations** *(titles and dates)*

1.

## Honors and Awards

**International**

1.

**National or Local**

1.

**Institutional**

1.

**Student Awards** (student name, description, date)

1.

## Teaching

**New courses introduced at U of M** *(Course number /title, course description: 1 paragraph per course)*

1.

**Major course revisions** *(Course number /title, course description: 1 paragraph per course)*

**Courses taught at U of M***(Please list courses taught in reverse chronological order.)*

Course #	Course Title	Teaching Role	Term		Enrollment/Response
EECS 598	Circuits and Systems	Instructor	Winter 2018		50/45

Course #	Term	Q1	Q1631	Q1632	Q1633	Course Quality Avg. (Q1631, Q1632, Q1633)	Q2	Q199	Q217	Q230	Instructor Quality Avg. (Q199, Q217, Q230)	Q4	Q891	Enrollment/Response
EECS 598	W18	4.9	4.7	4.8	4.7	4.7	4.8	4.8	4.9	4.9	4.9	5.0	4.6	50/45

Question Key:

Q1. This was an excellent course.

Q1631. This course advanced my understanding of the subject matter.

Q1632. My interest in the subject has increased because of this course.

Q1633. I knew what was expected of me in this course.

Q2. The instructor was an excellent teacher.

Q199. The instructor explained material clearly.

Q217. The instructor treated students with respect.

Q230. The instructor seemed well prepared for class meetings.

Q4. I had a strong desire to take this course.

Q891. As compared with other courses of equal credit, the workload for this course was (5 = Much Lighter, 4 =Lighter, 3 = Typical, 2 = Heavier, 1 = Much Heavier).

**Courses taught at other institutions****Ph.D. committee activity**

**Chaired/Co-Chair** *(Name of student, year or anticipated year of graduation, dissertation title, chair or co-chair per official designation, if co-chair, please list names of additional co-chair(s), student current position (candidate or pre-candidate for current students). Include all current and graduated PhD students.)*

1. Jaehun Jung, 2018, Directed Intramolecular Heavy Atom Effects toward Vibration- insensitive Metal-free Organic Phosphors, Chair.  
Student current position: Assistant Professor, University of Colorado

**Member** (Other Ph.D. membership)

- 1.

**M.S. students advised** *(Name of student, year or years, project title, thesis completed?)*

- 1.

**Undergraduate students advised** *(Student name, project title (optional), year.)*

1.

**Mentoring activities involving post-doctoral scholars**

1. Trained and mentored, Dr. Hyong-Jun Kim (2004 - 2008, Postdoctoral Fellow, MSE) Currently Associate Professor at Kongju National University, 01/2004 - 01/2008

**Short courses and workshops taught** *(Indicate course, location or institution, date, enrollment, nature of participation.)*

1.

**Outreach directly related to teaching**

1.

**Other (e.g., Scholarly work in education)**

1.

**Research**

**Research programs underway** *(List at most three, with brief description of each.)*

1.

**Past grants and contracts** *(Include sponsor, project title, dates, amount, names of principal investigators and/or co-principal investigators, and candidate's share.)*

1. LMS Co., Ltd., X16-PAF0247, "Transparent and UV-curable Resins having High Thermal Stability," 06/2011 - 05/2014, Total: \$182,616, Jinsang Kim (PI). Candidate's Share: \$182,616.

**Current grants and contracts** *(Include sponsor, project title, dates, amount, names of principal investigators and/or co-principal investigators, and candidate's share.)*

1. NSF, DMREF, X16-PAF0247, "Simulation-Based Predictive Design of All-organic Phosphorescent Light- Emitting Molecular Materials," 10/2014 - 09/2017, Total: \$997,787, John Kieffer (PI), Jinsang Kim (Co-PI). Candidate's Share: \$402,225.

**New research directions** *(List at most three, with brief description of each.) Suggested format:*

**1. Title**

High Thermoelectric and Thermal conductivity from Functional Polymers have become important active materials for various device applications. While optical properties of polymers have been extensively studied and utilized in optoelectronic applications, the thermal conductivity of polymers has been overlooked because thermal conductivity of polymers is small and falls within a rather narrow range (0.1 – 0.5 Wm<sup>-1</sup>K<sup>-1</sup>). Recently we hypothesized that by incorporating strong interpolymer interactions between polymer chains we can largely enhance the connectivity in bulk polymer films and increase the resulting thermal conductivity. We designed a series of such polymers having strong interpolymer hydrogen bonding.

**Pending grants and contracts** *(List proposals that are pending. Include sponsor, project title, amount, names of principal investigators and/or co-principal investigators, candidate's share, and submission date.)*

1. Texas A&M in Qatar, "Directed Self-assembly and Alignment of Conjugated Polymers for High Performance Plastic Electronics," 09/2015, Total: \$314,661, J Kim (PI). Candidate's Share: \$314,661.

## **Publications and Scholarly Presentations**

**NOTES:** *Publications in each category below must be sequentially numbered in reverse chronological order; i.e., newest items first.*

Publication format may vary by discipline but should be consistent in the casebook.

- Underline the names of co-authors who (at the time of authorship) were graduate student(s) under your supervision;
- Undergraduate co-authors under your supervision should be single underlined and noted by an asterisk \* after their name.

*Journal and conference names should be spelled out (i.e., not abbreviated).*

**Full articles in refereed journals, transactions, or archives** *(Full articles in refereed journals, transactions, or archives that have appeared or have been accepted only.)*

1. Onas Bolton, Dongwook Lee, Jaehun Jung, **Jinsang Kim**. "Tuning the Photophysical Properties of Metal-Free Room Temperature Organic Phosphors via Composition". *Chemistry of Materials* 2014, Impact Factor: 8.238, Accepted

### **Shorter communications, letters, notes, or briefs in refereed publications**

- 1.

**Refereed conference or symposium proceedings papers** *(Indicate "journal quality" for conferences that are strictly reviewed, highly competitive, and archival.)*

- 1.

### **Refereed conference summaries or abstracts**

- 1.

**Abstracts in non-refereed conference proceedings** *(Describe generally your participation in conferences with non-refereed abstracts, no need to enumerate specific abstract details.)*

### **Books**

- 1.

### **Chapters in books**

- 1.

**Book reviews**

1.

**Government, university, or industrial reports (non-refereed)**

1.

**Publications in popular press/magazines** *(Include only those publications where the candidate is listed as author/co-author.)*

1.

**Other submitted publications**

1.

**Total number of invited talks: 50**

**Invited presentations** *(List to top 10 most important invited talks, providing venue and date.)*

1.

**Technology Transfer and Entrepreneurship**

**US and international patents awarded** *(inventors, title, number, date issued)*

1.

**Provisional patents and patents pending** *(inventors, title, date submitted)*

1.

**Invention disclosures submitted** *(inventors, title, date submitted)*

1.

**Licensing and technology transfer**

1.

**Startups and entrepreneurial activities**

1.

**Other major technology transfer activities** *(provide whatever information you find appropriate)*

1.

**Industry interactions** *(consulting arrangements, board memberships, etc.)*

1.

**Outreach directly related to research**

1.

**Other**

1.

**Service**

**Significant Service Assignments** *(Include scope of service assignment (department, university or college), name of service assignment, role, dates)*

**Administrative duties at U of M**

1.

**Service to government or professional organizations, and service on review board/study panels**  
*(Name of committee, chair or member, editorships etc.; dates)*

1.

**Outreach that is not part of service, teaching, or entrepreneurship**

1.

**Mentoring activities involving junior faculty members**

1.

**Other**

1.

### **Summary of contributions to and major impact on teaching, research, and service**

*(Provided as a separate upload in SmartPath)*

Briefly summarize your major contributions to teaching, research, and service. The teaching discussion may include undergraduate, graduate, and professional education contributions in all learning delivery modalities, including traditional and remote classrooms. The summary may also include contributions to tech transfer and entrepreneurship, as well as broader impact-focused activities, if applicable.

**Total length may not exceed four pages.**