

Jun Yang
2935 Marshall Ave. Apt 34
Cincinnati, OH 45220

Phone: 513-281-4975
Email: yangj0@email.uc.edu

Education:

2001-present Ph.D candidate, Environmental Engineering, University of Cincinnati
1996-1999 M.S. received, majoring in Environmental Engineering, Tsinghua University
1991-1996 B.S. received, majoring in HVAC, Tsinghua University

Research Experience:

1. University of Cincinnati, Sept. 2001-present
Graduate assistant, working on the establishment of Aerosol and Air Quality Laboratory and a thesis project studying formation mechanisms of pollutant during combustion of important components of fuel.
2. Tsinghua University, Sept. 1999- Jul. 2001
Research assistant, worked on a project studying the filtering mechanism of a special kind of membrane, testing programs of ventilation system of 10MW High Temperature Gas Cooled Test Reactor, and framed standards of acceptance and surveillance tests of the ventilation system in nuclear reactors.
3. Tsinghua University, Sept. 1996- Jul. 1999
Graduate Student, finished the thesis research on the experimental and theoretical study of fluid field in the filter house in a nuclear reactor

Summary of Skills:

1. Experiment Skills: Proficient in fundamental chemical experiment skills such as weighing, separation, distillation, extraction etc; in addition, a junior fitter
2. Equipment Operation: DMPS (STI), Analytical Balance, GC, GC/MS, HPLC,
3. Independent research: Designed, built up and operated experimental systems in the following researches, and finished data analysis in the first two researches
 - PM 2.5 and PAH formation from incomplete combustion of methylnaphthalenes
 - Study of the fluid field of the filter house in ventilation system in a nuclear reactor
 - Study of the filtering mechanism of nuclepore membrane filters
4. Computer skills and software: Expert in Windows System, Microsoft Office, Auto CAD, Visual C++, familiar with MATLAB, Mathematica

Programming Work Experience:

1999-2000 Newauto AutoMedia system, using VC++ 6.0
1998-1999 Optimization Petroleum CAD system, using VC++ 6.0
1996-1997 Zhongao title generator for TV video system, using Borland C++ 3.1
1994-1995 The expert formulation system of cosmetic, using Turbo C 2.0

Honors:

1. The first prize for student poster presentations at the Second Annual Ohio Air Quality Research Symposium, 2003
2. Student Summer Research Fellowship from University of Cincinnati, 2003
3. University Graduate Scholarship and Graduate Assistantship from University of Cincinnati, 2001-present
4. Excellent Graduate Student Scholarship from Tsinghua University, 1998
5. ChangJiang Power Inc. Scholarship from Tsinghua University, 1994
6. Excellent Student Scholarship from Tsinghua University, 1993

Activities and affiliations:

1. President of Air & Waste Management Association (A&WMA) Student Chapter in University of Cincinnati
2. Member of Air & Waste Management Association
3. Member of Environmental Engineering Graduate Student Association
2. Various positions of social works in classes and departments during undergraduate and graduate study.

Publications and presentations:

1. Jun Yang and Mingming Lu, Soot and PAH Formation From Methylnaphthalenes, *Proceedings of 97th A&WMA Annual Conference*, Indianapolis, IN, 2004
2. Comparison of Soot and Polycyclic Aromatic Hydrocarbons (PAHs) Formation from Pyrolysis of 1-Methylnaphthalene and 2-Methylnaphthalene, Second Annual Ohio Air Quality Research Symposium, Toledo, OH, October 29th, 2003 (Poster)
3. Jun Yang and Mingming Lu, PAHs/Soot formation from pyrolysis of methylnaphthalenes, *Proceedings of Twentieth Annual International Pittsburgh coal conference*, Pittsburgh, PA, 2003
4. PAH and Soot Formation from Pyrolysis of 1-Methylnaphthalene, 96th A&WMA Annual Conference, San Diego, CA, June 23th -26th, 2003 (Poster)
5. The Characterization of PAH and Soot: Compositions and Formation Mechanisms, Ohio Air Pollution Research Symposium, Toledo, OH, October 25th, 2002 (Poster)
6. Feng Jiang, Suisheng Ye, and Jun Yang, Design of the exhaust system in the confinement of the HTR-10, *Nuclear Engineering and Design*, 218, p. 209-214, 2002
7. Jun Yang, Feng Jiang, and Suisheng Ye. Numerical analysis of the uniformity of the fluid field in the filter house of nuclear air cleaning system, *J of Tsinghua University(Chinese)*, 40, 2000
8. Feng Jiang, Jun Yang, and Suisheng Ye, Experimental research on the uniformity of the fluid field in the filter house of nuclear air cleaning system, *J of Tsinghua University(Chinese)*, 40, 2000
9. Qisen Yan, Yong Wang, and Jun Yang, Discussion of methods of online predicting air condition load, *3rd conference of cooling and air condition and forum of ice storage technology in China Mainland and Taiwan(Chinese)*, 1996