



APPLICATION FOR ADMISSION TO INTERNATIONAL GRADUATE STUDY

Date Received:

Applicant ID 1144705	Full Legal Name (Last, First, Middle) Pan, Baoxiang		Sex M	Date Of Birth 06/22/1991				
Permanent Mailing Address (number and street). #102 Residential Building Dongguan Middle School						Telephone 05395012705		
City Feixian	State/Province		Country CH	Postal Code 273400				
Temporary (Current) Mailing Address (number and street). #310 New Hydraulic Building Tsinghua University						Telephone 8613366720253		
City Beijing	State	Country CH	Zip Code/Postal Code 100084					
Permanent Non-US Address #102 Residential Building Dongguan Middle School						Telephone 05395012705		
City Feixian	Province (Canada only)		Country CH	Postal Code 273400				
E-Mail Address panbaoxiang@hotmail.com		Cellular 8613366720253	Other name(s) by which you have been known or appear on academic records:					
Semester you wish to enroll FS15								
Country of birth: CH		U.S. Citizen: N		Permanent Resident Alien: N				
Country of primary citizenship if non-U.S. citizen: CH		Current Visa Classification: B1		Intended Visa Classification For Study At MSU: F1				
Major Preference (list code and major): 2312 Civil Engineering			Do you want a graduate assistantship? Y					
If you previously applied for admission to MSU, Indicate:		If you previously attended any MSU classes, indicate:			MSU student number/PID:			
Is your education being financed by a government, organization, or company? N								
Institution	City/State	Dates attended		Graduation				
		From	To	Date	Degree	Major	Credits	
Wuhan University - 0050303	X /	09/10/2008	07/10/2012	07/10/2012	BS	Hydrology and Water Resources	3.23	
Tsinghua University - 0050404	Beijing /	08/22/2012	07/10/2015	07/10/2015	MS	Hydrology and Water Resources	3.47	
Personal Statement:								
<p>I was brought up in a warm and supportive family. My parents are among the first generation who had access to high education after the Cultural Revolution in China. In my childhood, I never had them worry about my schoolwork. They also hardly restricted my adventures in the wild. The unpaved muddy yard after the heavy summer rain was the heaven of earthworms, toads, plants and my imagination. These experiences sowed the initial seed of my major selection in college.</p> <p>The Tao of my parents' education is to build me into a staunch man who can walk his own way. There is no more difficult task than helming one's only life. The classical European philosophy enlightened me when I was struggling for a direction at the turning point of my life. It showed me the beauty of logic, science and art. To pursue these kinds of wisdom is challenging, exciting and meaningful. It should be taken as a life-long duty.</p> <p>I attended the American Geophysical Union 2014 fall meeting and made a poster presentation there. We are a generation who are greatly influenced by American culture. The summit of culture today is science. The flourishing academic atmosphere in the United States greatly influenced me. I want to exert my talent in this community. Time buries all the things today, but science lives a little longer. I want to prolong my life in this way.</p>								
Academic Statement:								
Coupling Land Surface Model and Circulation Model								
1. Understand the mechanism of land surface model, global and regional circulation models.								
Model setup, data, structure, parameterization schemes, parameter calibration and								

validation, model uncertainty.

2. Develop interfaces of the two models.
3. Understand the implications of the simulation results.
4. Design possible future scenarios to direct earth system management.
5. Couple simulation with observations to reach a well-rounded understanding.

Information Theory Applied in Model Evaluation

1. Clarify the concept of information in earth system modelling with precise mathematical language (Shannon information theory and Kolmogorov Complexity Theory).
2. Distill information from the mass produced outputs of land surface models, global and regional circulation models.

The Renewal of Functional Programming Applied in Hydrology and Earth Systems

1. Develop domain specific programming languages and useful tools for hydrology and earth system research.
2. Re-write existed models with a side-effect-absence manner.

Have you ever been expelled, suspended, disciplined, or placed on probation by any secondary school or college you have attended because of academic dishonesty, financial impropriety, or an offense that harmed or had the potential to harm others?

N

Have you ever been convicted of a criminal offense (including in juvenile court) other than a minor traffic violation, or are there criminal charges pending against you at this time?

N

If you answer yes to either of these questions, please submit a letter of explanation. If circumstances arise in the future (until the time you begin attending classes) that make your answers to the above questions inaccurate, misleading, or incomplete, you must provide the Office of Admissions with updated information.

If you have taken required tests (see list of major fields), please report scores below.

GRE	Scores			Date	GRE Subject Test	Score	Date
	Verbal	Quantitative	Analytical				
	152	170	3.5				
GMAT					Miller Analogies Test		

List all activities (e.g., employment, military service, travel) that account for your time since earning a bachelor's degree. List the most recent activity first.

Name of employer/activity	City/State	Type of employment/activity	From	To
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No more than one semester will have elapsed between enrollment in high school/college and anticipated start date at MSU.

Are you currently employed by Michigan State University?

If yes, where?

N

Do you have an agreement for employment at Michigan State University?

If yes, where?

N

Do you have a teaching certificate?

If yes, specify type

N

List any memberships in professional organizations.

Describe your proficiency (reading and speaking) in foreign languages.

Chinese

Letters of recommendation: List the names, titles, and addresses of three individuals submitting letters of recommendation on your behalf. Please contact your department or school to learn if it has special forms or instructions for letters of recommendation. If your department or school does not provide its own forms, please use the form included in this application booklet. Have your letters of recommendation sent directly to the chairperson of the department or school (major field) to which you are applying.

Name	Title	Address	City	State	Country
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TOEFL Scores

Section 1	Section 2	Section 3	Section 4	Total Score	Date Taken	Date Scheduled To Take
29	27	20	26	102	11/2014	

MELAB Scores

Section 1	Section 2	Section 3	Total Score	Date Taken	Date Scheduled To Take

MSUFLT Scores

Section 1	Section 2	Section 3	Total Score	Date Taken	Date Scheduled To Take
IELTS Scores					
Section 1	Section 2	Section 3	Total Score	Date Taken	Date Scheduled To Take
PTE-A Scores					
Section 1	Section 2	Section 3	Total Score	Date Taken	Date Scheduled To Take
VISA INFORMATION					
<p>Current Visa Classification: B1</p> <p>Intended Visa Classification For Study At MSU: F1</p> <p>If admitted to MSU, please indicate the visa document you will require. If you do not indicate which visa document you need, MSU will send the I-20.</p> <p>Please issue the I-20 form as I will be applying for the F-1 student visa.</p> <p>Please issue the DS-2019 form as I will be applying for the J-1 exchange visitor visa. (The J-1 visitor visa classification is available to students who are supported financially by MSU, an approved U.S. government or private agency or organization, or a foreign government).</p>					
DEPENDENT INFORMATION					
<p>If you plan to bring a spouse and/or children with you, please provide additional financial proof information. To include a spouse on the visa document you must provide additional financial proof in the amount of \$5,000. Each child requires additional financial proof in the amount of \$3,000. Please include dependent information below exactly as you would like it to appear on the visa document (I-20 form or DS20-19 form).</p>					
Name	Date of Birth	Sex	Country of Birth	Country of Citizenship	Relationship
Supplemental Application					
<p>Area(s) of Interest:</p> <p>Hydrology & Water Resources</p> <p>Geotechnical & Geoenvironmental Structures</p>					
<p>If you have discussed your application with any CEE faculty members, please provide their names .</p> <p>Yadu Pokhrel</p>					
<p>Please provide below any additional information that may help in the admission process.</p>					
<p>Are you applying to any other colleges, departments, or programs? If yes, please list them.</p> <p>University of Arizona</p>					
<p>Admission to the PhD program normally requires that the applicant have completed a MS in a field closely related to civil engineering. If you applied to the PhD program and do not have a MS, are you interested in being considered for MS admission?</p> <p>I will have a master degree before being admitted.</p>					
<p>If there are any specific faculty members who you would be especially interested in working with, please provide their names.</p> <p>Yadu Pokhrel</p>					

By submitting this application you agree to the following: I UNDERSTAND THAT ANY FALSIFICATION OF ADMISSION AND ACADEMIC RECORDS THROUGH OMISSION OR MISSTATEMENT BY ME IN THIS APPLICATION MAY RESULT IN CANCELLATION OF MY ADMISSION AND/OR OTHER DISCIPLINARY ACTION BY MICHIGAN STATE UNIVERSITY.