



# INTERNATIONAL GEOINFORMATICS SUMMER SCHOOL

Registration Deadline: Aug. 15, 2021  
Duration: Aug. 23-Aug. 31, 2021





# ABOUT IGSS

The International GeoInformatics Summer School offers motivated university students and graduates an international and strongly academic summer session where outstanding lecturers and young talents meet to explore new ideas.

## WHAT YOU CAN GET FROM IGSS

### KNOWLEDGE:

3 short intensive Courses; Academic reports about the latest research topics; Lab operations and Group working.

### CULTURE:

Ice-breaking activities and Culture Show will help you gain an insight into different people and cultures.



### FRIENDSHIP:

Teachers, students and volunteers from different countries; Friendship generates in this multi-cultural environment.

### AWARDS:

Excellent Participant Awards and Cultural Promoter Awards will be given to those who show their talent and share different cultures and experience.





# ENTRY REQUIREMENTS

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Visit IGSS website to sign up for our program. We will select 150-200 participants from all applicants according to English level, Education Background, and Academic Achievements.

## NOTES

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We can only provide online courses this year because of the epidemic. Visit [https://zoom.us/download#client\\_4meeting](https://zoom.us/download#client_4meeting) and download zoom.

## Q&A

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**Q: Can non-major students participate?**

A: All the courses are about advanced topics in GeoInformatics and students should have some basic knowledge in related fields.

**Q: What should I do if I cannot get the stamp due to the epidemic?**

A: If you cannot get your form stamped because of the epidemic, you can upload the form without stamp and provide other documents which can prove your identity.

**Q: After uploading the file, can I modify my course or other information?**

A: Sorry to inform you that you cannot change the information if you have submitted the application. Thus, make sure all information is correct.

**Q: How can I know if I am admitted?**

A: If you are admitted, you will receive an invitation email. If not, we will also send you an email and explain the reasons.

**QUESTIONS ABOUT THE PROCESS OF THE REGISTRATION CAN BE ANSWERED BY THE GUIDANCE OF REGISTRATION. IF YOU HAVE ANY OTHER QUESTIONS, PLEASE CONTACT US.**

Email: [geoss@whu.edu.cn](mailto:geoss@whu.edu.cn) Tel: 86 27 6877 8525



# PROGRAM STRUCTURES

Welcome to IGSS!

This year, we have prepared three online courses and you can choose one of them.

Detailed information of the different courses is listed below.

Course I

## Multi-temporal SAR Interferometry for Disaster Mitigation

07:00PM-10:00PM, August 23rd -30th, 2021 (CST/UTC+8)



Prof. Timo Balz

Prof. Mingsheng Liao

Prof. Lu Zhang

Lecture 1: Introduction to Synthetic Aperture Radar
Lecture 2: Surface motion estimation with SAR
Lecture 3: Advanced InSAR processing methods
Lecture 4: Permanent & Distributed Scatterer Interferometry
Lecture 5: InSAR for monitoring landslides

Course II

## Machine Learning

08:00AM-11:00AM, August 23rd-30th, 2021(CEST/UTC+2)



Prof. Marcello Pelillo

Lecture 1: Introduction to machine learning
Lecture 2: Neural networks and deep learning
Lecture 3: Support vector machines
Lecture 4: Graph-based clustering
Lecture 5: Selected computer vision applications

Course III

## Social Sensing, Geospatial Big Data Computing, and Disaster Management

08:00PM-11:00PM, August 22nd-29th, 2021 (EDT/UTC-4)



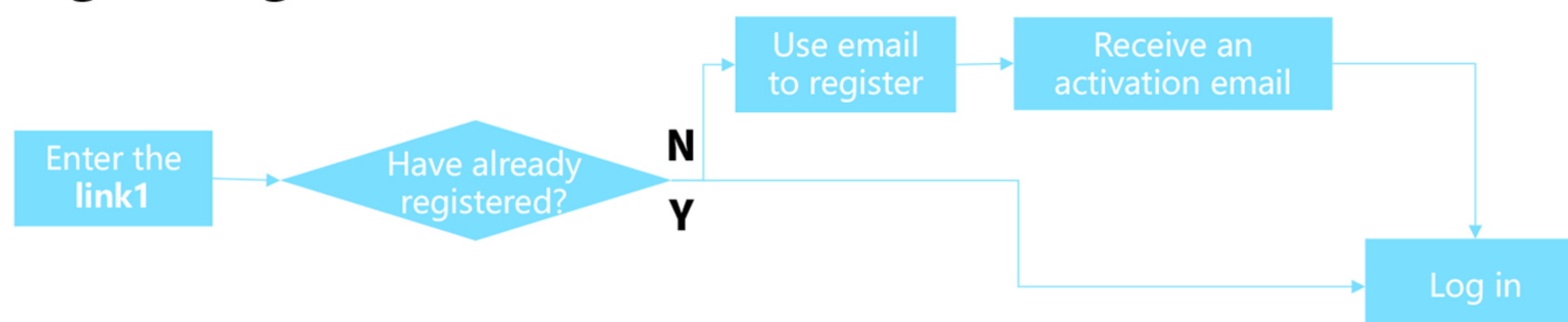
Prof. ZhenLong Li

Lecture 1: Introduction to social sensing and big data computing for disaster management
Lecture 2: Geospatial big data and computing techniques
Lecture 3: Social media (Twitter) data collection and analytics with Python and Hadoop
Lecture 4: Web mapping of social media data with JavaScript and Leaflet: introduction and basics
Lecture 5: Web mapping of social media data with JavaScript and Leaflet: trajectory mapping



# THE GUIDANCE OF REGISTRATION

## 1. Login (Register)



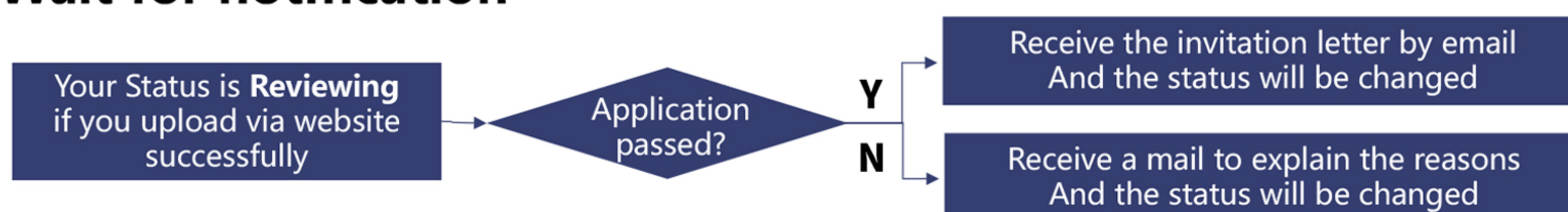
## 2. Complete Information



## 3. Upload Documents

1. Upload Methods	Upload via the website (Preferred)	Upload via <b>link 2</b> (Special case)
2. Document Types	Signed or Stamped application form (Preferred)	Application form without stamp and documents which can prove your status (Special case)

## 4. Wait for notification



Link 1 : <http://www.lmars.whu.edu.cn/geosummerschool/index.jsp>

Link 2 : <https://www.wjx.cn/vj/OmbHIGu.aspx>



# THE DETAILS OF REGISTRATION

## 1.Register

Enter the <http://www.lmars.whu.edu.cn/geosummerschool/index.jsp> and register.

### Register Page

Register GeoInformatics Summer School

**Username\***

**Password\***

**Email\***

Submit

## 2.Activate your account

If you register successfully, you will receive an email as shown below. Click the link to log in and complete your information.

### GeoInformatics Summer School For Activation Register Mail

wangzi5610099@126.com 发送给 @whu.edu.cn

Hello

Welcome to register the GeoInformatics Summer School.

Please Click <http://www.lmars.whu.edu.cn/geosummerschool/userRegister/emailactive.do?key=d3f988> this url into your browser to open it.)

GeoInformatics Summer School



# THE DETAILS OF REGISTRATION

## 3. Complete your information according to the instruction.

Complete the information like your name, age, courses you choose, etc.

Form of Address \*

Last Name \*

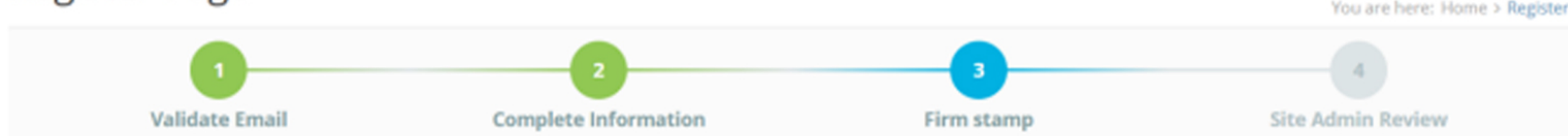
First Name(s) \*

Date of Birth: \*

## 4. Upload the application form and log in

When you complete your information, you will see the page as shown below. Click the ① to download the application form. Then make it stamped. At last, click ② to upload the form and click ③ to submit.

### Register Page



[Back to Update ?](#)

Only a few steps left:

1. Download the application form from the link below;
2. Affix the seal of your department;
3. Scan and upload the application form below.

(To later login your account again, use the link on the upper right corner of the homepage)

License \*

[Click Here To Download File](#) ①

Firm stamp License upload \*

( Warning : Upload file must be .pdf type! )

Submit ③

### Call for Participation

International GeoInformatics Summer School offers motivated university students and graduates an international and strongly academic summer session where outstanding lecturers and young talents meet to explore new ideas. 2021 International GeoInformatics Summer School (Online) will be organized on August 23th -31st with courses covering fundamental concepts, methodologies, and technologies in Multi-temporal SAR Interferometry for Disaster Mit Machine Learning & Social Sensing, Geospatial Big Data Computing and Disaster Management. The Organizing Committee reviews individual candidates for qualification and relevance and then extends the formal invitations which will detail the summer school program. No study fees Register before August 15th, 2021 Email: [annc@whu.edu.cn](mailto:annc@whu.edu.cn) Phone: 010-59361000

**Note:** If you encounter difficulties in these steps, you can use the link <https://www.wjx.cn/vj/OmbHIGu.aspx> to submit your application.

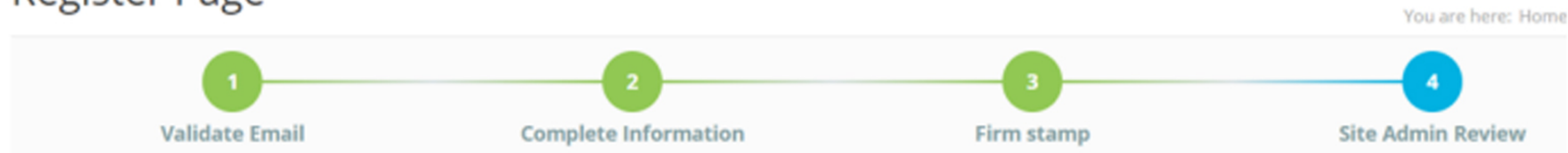


# THE DETAILS OF REGISTRATION

## 5.Wait for the notification

If you submit successfully, you will see the page as shown below. After reviewing the application result, we will send you the feedback through the website and email.

### Register Page



#### Congratulations

please wait for the Administrator to review .

Your Student No.

Present State

**reviewing ...**

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**Looking forward to your participation!**

**And Keep in touch with us if you have any questions.**

Email: [geoss@whu.edu.cn](mailto:geoss@whu.edu.cn) Tel: 86 27 6877 8525



### **Organizer**

State Key Laboratory of Information Engineering in Surveying,  
Mapping and Remote Sensing (LIESMARS) Wuhan University

### **Co-organizers**

Hi-Target Satellite Navigation Technology Co., Ltd.  
Joint International Research Laboratory of GeoInformatics (JIRLG)  
UN-GGIM Academic Network  
GIS Theory and Methodology Working Group, CAGIS  
Committee on International Spatial-temporal Information Services,  
GNSS & LBS Association of China  
ISPRS TC III  
LiDAR Specialty Committee, Chinese National Committee of the  
International Society for Digital Earth (ISDE)



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