

2023

时间 Time	课程内容 Content	授课教师 Lecturer	教室 Classroom	授课平台 Meeting ID
August 7 8:00-11:15	Introduction, Course Requirements and Evaluation Approach; Introduction to AI	M. Xia	线上	腾讯会议 689-2968-5886
August 8 8:00-11:15	Types of Learning; Classification; Regression	M. Xia	线上	腾讯会议 689-2968-5886

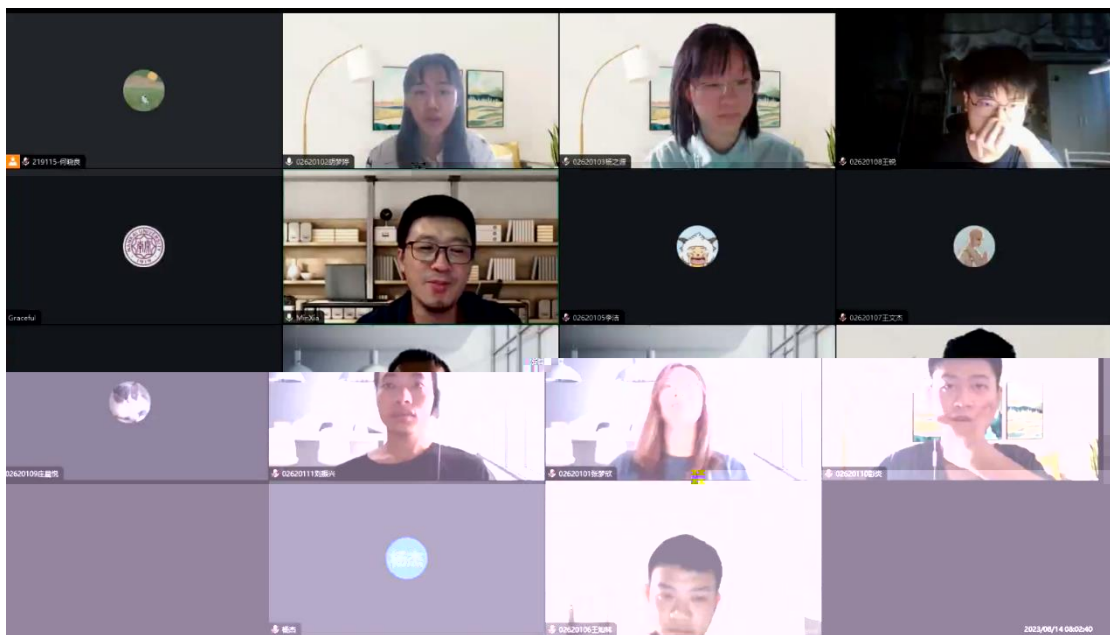
August 9 8:00-11:15	Improving Predictive Models; Introduction to Deep Learning;	M. Xia	线上	腾讯会议 689-2968-5886
August 10 8:00-11:15	Lab practice	M. Xia	线上	腾讯会议 689-2968-5886
August 11 8:00-11:15	Convolutional Neural Networks, Recurrent Neural Networks	M. Xia	线上	腾讯会议 689-2968-5886
August 12 8:00-11:15	Deep Generative Models; Reinforcement Learning	M. Xia	线上	腾讯会议 689-2968-5886
August 13 8:00-11:15	Application of AI in Smart Engineering	M. Xia	线上	腾讯会议 689-2968-5886
August 14 8:00-11:15	Final Project Presentation	M. Xia	线上	腾讯会议 689-2968-5886

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2017

2012

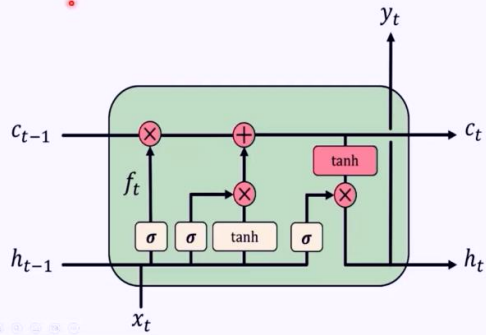
2009



Long Short Term Memory (LSTMs)

How do LSTMs work?

- 1) Forget 2) Store 3) Update 4) Output



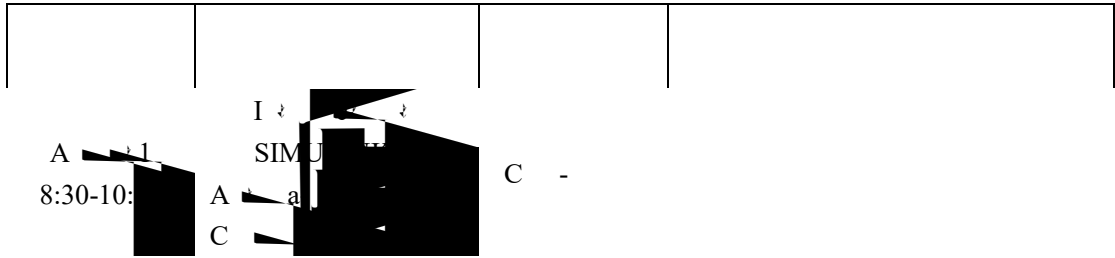
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Chin-an Tan

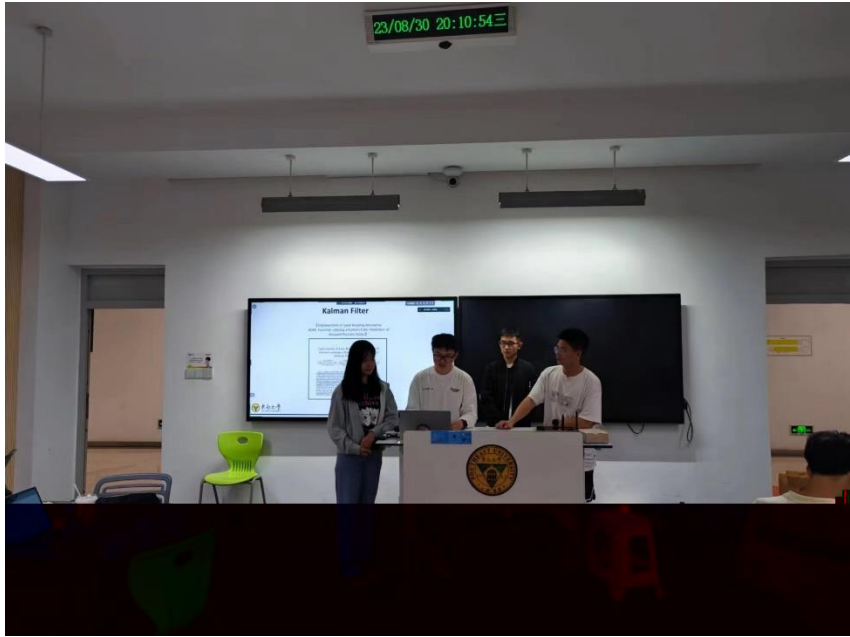
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A 21 8:00-9:	I Ma T c 3D a , c a	WC		#V V M : 955-4962- 9485
A 22 8:00-9:	T a c a a ; a a a	WC		#V V M : 955-4962- 9485
A 23 14:00-15:	E b a b	WC		#V V M : 955-4962- 9485
A 24 8:00-9:	C a c	WC		#V V M : 955-4962- 9485
A 25 8:00-9:	A ca a 3D b ca , a	WC		#V V M : 955-4962- 9485
A 26 8:00-9:	a a a a a	WC		#V V M : 955-4962- 9485
A 27 14:00-15:	R a a a a	WC		#V V M : 955-4962- 9485

A 28 8:00-9:00	S a a .	W C		#V V M : 955-4962- 9485
A 29 8:00-9:00	La a a	GF S	J1-205	
A 30 8:00-9:00	S a a a a c a	GF S	E T a C 119	
A 31 14:00-15:00	S a a a a a c	GF S	E T a C 119	
S b 1 14:00-15:35	S a a a c	GF S	E T a C 119	
S b 4 15:50-17:25	La a a	GF S	J1-205	
S b 5 8:00-9:35	S a a .	GF S	J1-205	
S b 6 8:00-9:35	S a a .	GF S	J1-105	
S b 7 8:00-9:35	S a a .	GF S	J1-105	

2018
National Natural Science Foundation of China
Academy of Mathematics and Systems Science
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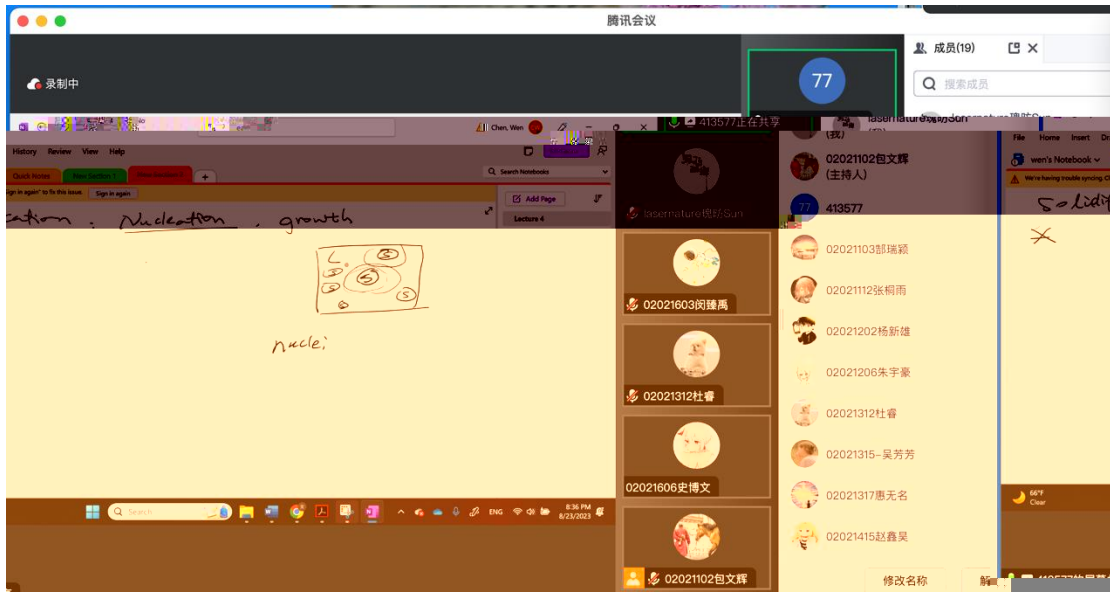
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Thermal residual stresses

State of Stress: Heating

Thermal Deformation from Heat Input

Interface with Substrate

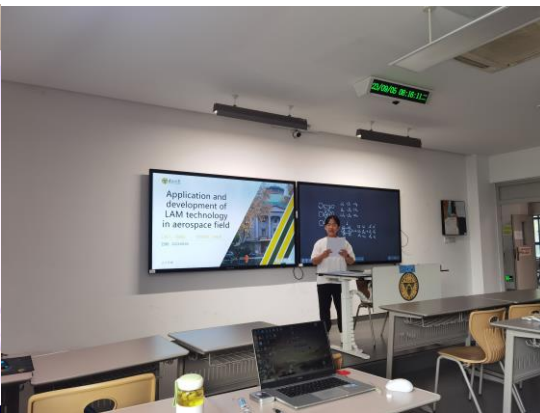
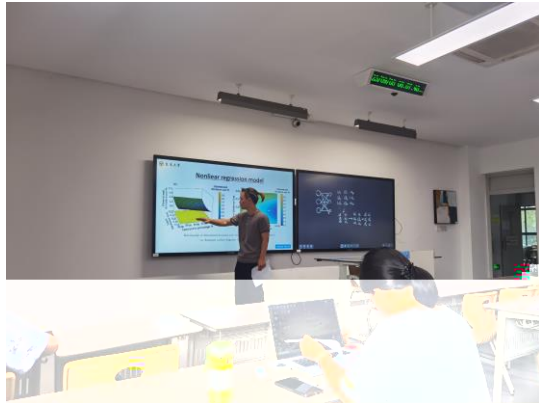
State of Stress: Cooling

Thermal Deformation from Cooling

Interface with Substrate

Strategy:

1. Scan pattern (chessboard)
2. Preheat substrate
3. Post-processing (medium temperature treatment)



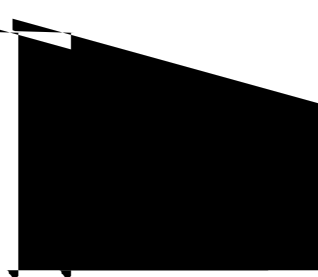
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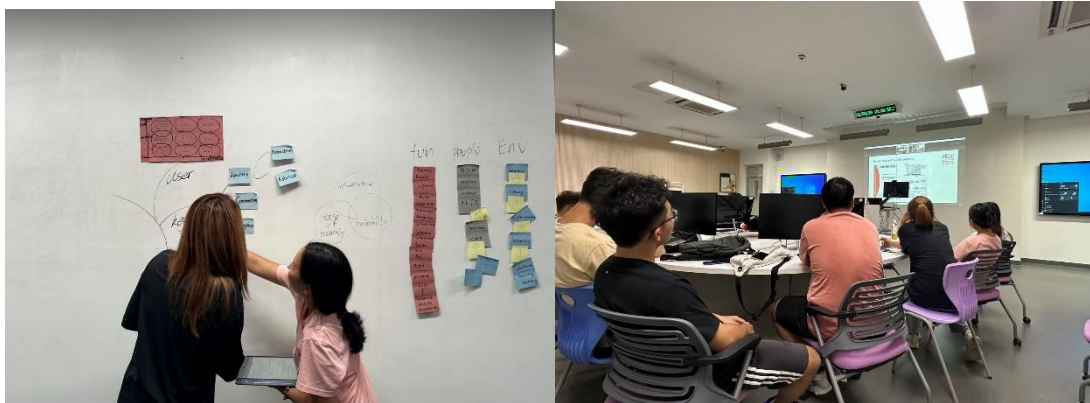
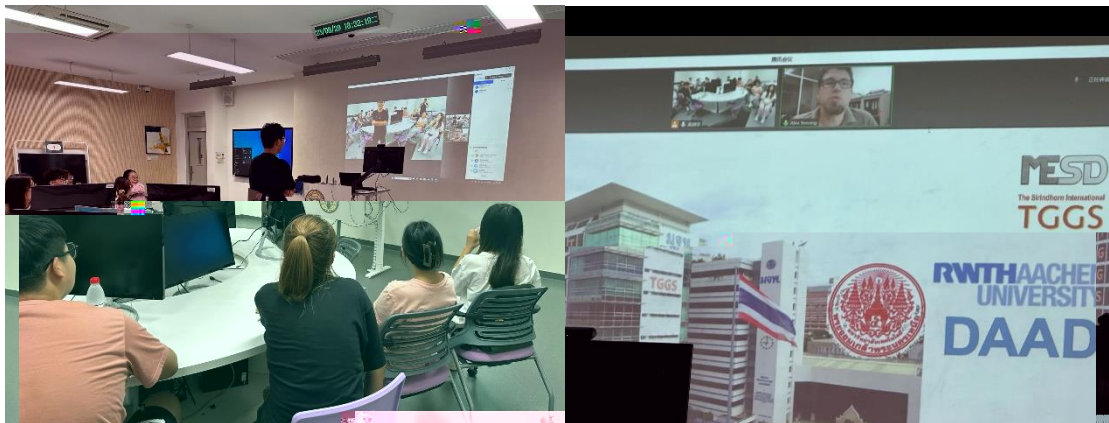
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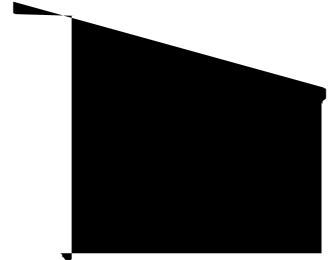


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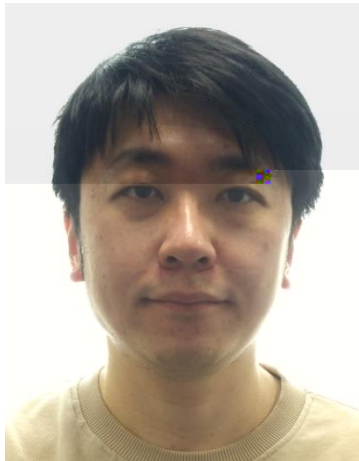
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A 14 20:30-22	I	Y a Z a	J1-502	#V VM :
A 16 20:30-22	HEV C	Y a Z a	J1-502	#V VM :
A 18 9:30-12	T a Ma ab/S	Y a Z a	J1-502	#V VM :
A 21 20:30-22	C HEV P a	Y a Z a	J1-502	#V VM :
A 23 20:30-22	D c HEV	Y a Z a	J1-502	#V VM :
A 28 20:30-22				



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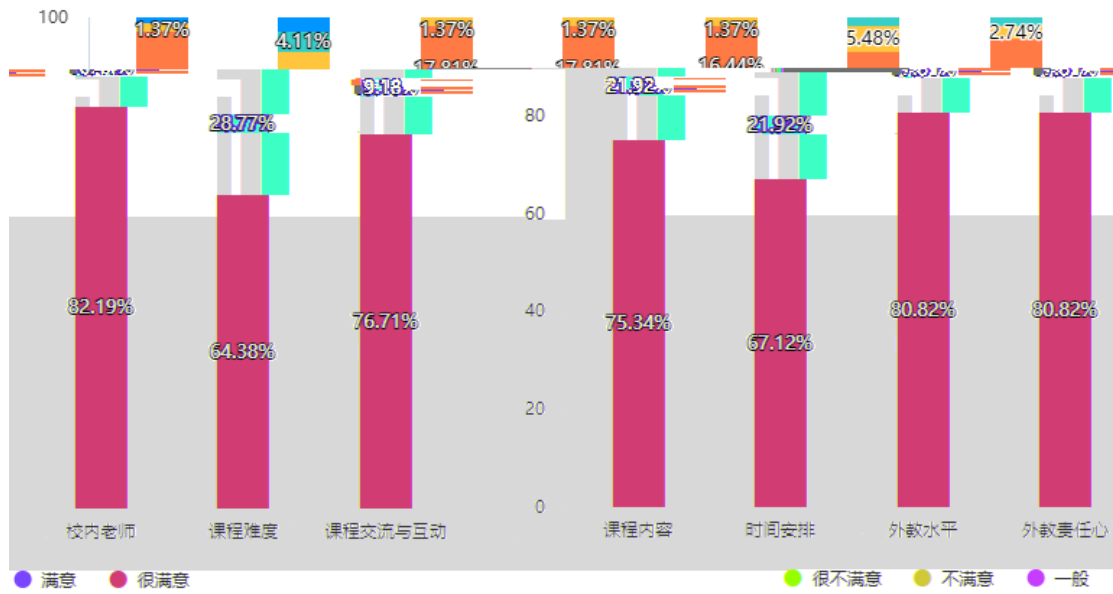
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