Berkeley-ShanghaiTech School on Reticular Chemistry 2020

	Mon. Feb. 24, 2019	Tues. Feb. 25, 2019	Wed. Feb. 26, 2019	Thur. Feb. 27, 2019
8:30-9:30	Arrival & Registration	Lecture 3. DMP "Graphs, nets, and tilings- I"	Lecture 6. DMP "Topological analysis of entanglements-I"	Lecture 10. OMY "Reticular chemistry: Molecular precision in infinite 2D and 3D"
9:30-10:30		Lecture 4. DMP "Graphs, nets, and tilings- II"	Lecture 7. DMP "Topological analysis of entanglements-II"	Lecture 11. OMY "Covalent organic frameworks and molecular weaving"
10:30-10:45		Coffee break		
10:45-11:45		Lecture 5. DMP "Graphs, nets, and tilings- III"	Lecture 8. VAB "Computing natural tilings and analysis of free space in crystals with ToposPro"	Lecture 12. DMP "The topological approach to crystal chemistry: An historical account"
11:45-12:30		Tutorial 3 "Methods of simplification of crystal Structures-I"	Tutorial 6. "Analysis of free space in crystals with ToposPro"	Lecture 13. EVA "Description of rod-MOF"
12:30-13:30		Lunch at Lecture Hall		
13:30-14:00	Inauguration			
14:00-15:00	Lecture 1. VAB "Computer crystallochemical analysis: an introduction"	Tutorial 4. "Methods of simplification of crystal Structures-II"	Tutorial 7. "Visualization, topological analysis and classification of entangled networks"	Tutorial 9. "ToposPro approach to rod-MOF"
15:00-16:00	Tutorial 1 "Introduction to ToposPro"			Tutorial 10 "Working with Systre and 3dt programs"
16:00-16:15	Coffee break			
16:15-17:15	Lecture 2. VAB, "Methods, software, databases, and expert systems for crystallochemical analysis"	Tutorial 5 "Visualization, topological analysis and classification of MOFs and coordination polymers"	Lecture 9. APS "Big data analysis with ToposPro"	Lecture 14. OMY "MOFs and COFs for carbon dioxide capture and conversion, and harvesting water from air"
17:15-18:00	Tutorial 2 "Visualization with IsoCryst of 0D, 1D, 2D and 3D structures"	Tutorial 6 "Topological identification of nets. Working with the TTD collection and SCTMS Online Services"	Tutorial 8 "Big data analysis with ToposPro"	Lecture 15. OMY "Zeolitic imidazolate frameworks by design"
18:00	Dinner at Canteen			School Dinner
18:20-21:00				Banquet Lecture （18:20-19:00） Stories of discoveries and those who make them Prof. Omar M. Yaghi

Lecture Hall: SPST-5-105, ShanghaiTech

Lecturers: Prof. Omar M. Yaghi (OMY), University of California, Berkeley, USA - Prof. Davide M. Proserpio (DMP), University of Milan, Italy，

Prof. Vladislav A. Blatov (VAB), Samara State Technical University, Russia.

Tutorial: Dr. Eugeny V. Alexandrov (EVA) and Dr. Alexander P. Shevchenko (APS), Samara State Technical University, Russia.

In the Tutorials, the participants use their computers for data processing. Each participant should bring a laptop to use the software provided during the school.

ToposPro runs only under Windows