

Agenda (*IUCr-UNESCO Rigaku OpenLab in Cambodia*)

7th July, 09:00 - 17:00

IUCr's Lecture

		09:00	Opening remarks
	AM	09:30	Lecture of Crystallography: 1
		10:20	Coffee break(10 min)
		10:30	Lecture of crystallography: 2
	NOON	11:30	Lunch Break
Day 1:		13:30	Lecture of crystallography: 3
Lecture	PM	15:00	Coffee break(20 min)
		15:20	Lecture of crystallography: 4
		17:00	End of 1st day

8th July, 09:00 - 17:00

Rigaku's Lecture

		09:00	Basics of X-ray powder diffraction :1 – Introduction to X-rays
	AM	10:00	Coffee break(10 min)
		10:10	Basics of X-ray powder diffraction 2 – Crystallography (quick view)
	NOON	11:30	Lunch Break
Day 2:		13:30	Basics of X-ray powder diffraction :3 – Introduction to X-ray diffraction system
Lecture	PM	15:00	Coffee break(20 min)
		15:20	Basics of X-ray powder diffraction :4 – Optical system
		17:00	End of 2nd day
		18:00	Welcome Dinner

9th July, 9:00 - 17:00**Rigaku's Lecture**

		09:00	Basics of XRD measurement: 1 – Sample preparation, measurement condition
		10:00	Coffee break(10 min)
		10:10	Basics of XRD measurement :2 – Application
Day 3:		11:30	Lunch Break
Lecture	NOON	13:30	PDXL(Powder Diffraction software) introduction:1 – Qualitative and quantitative analysis – Crystallite size and strain analysis
		15:00	Coffee break(20 min)
	PM	15:20	PDXL(Powder Diffraction software) introduction:2 – Lattice parameter refinement – Rietveld refinement
		17:00	End of 3 rd day

10th July, 9:00 - 17:00**Rigaku's Training**

		09:00	Introduction to MiniFlex II : optics and alignment Sample preparation: demo samples from Rigaku
		10:00	Coffee break(10 min)
	AM	10:10	Hands on training: Measurement and analysis – Qualitative and quantitative analysis
Day 4:		11:30	Lunch Break
Training	NOON	13:30	Hands on training: Measurement and analysis – Crystallite size and strain analysis
		15:00	Coffee break(20 min)
	PM	15:20	Hands on training: Measurement and analysis – Lattice parameter refinement, Rietveld refinement
		17:00	End of 4 th day

11th July, 9:00 - 17:00

Rigaku's Training

		09:00	Hands on training: Measurement and analysis – Participants' samples
	AM		
Day 5:	NOON	11:30	Lunch Break
Training		13:30	Hands on training: Measurement and analysis – Participants' samples
	PM		
		15:00	Coffee Break (20 min)
		15:20	Q&A
		17:00	End of 5 th day

Note: Attendees who bring own sample(s) for hands on training may come and measure the sample(s) with trainers. The trainers and instrument are available.