

ADLCC - 2021

Schedule

Day # 1 03/07/2021 Saturday	9:30-10:30		Inaugration
	10:40-11:40	Technical Session#1	<i>Session Title: Deep Learning and its Applications - 1</i>
	11:50-12:50	Technical Session#2	<i>Session Title: Deep Learning and its Applications - 2</i>
	12:50-2:00		Lunch Break
	2:00-3:30	Technical Session#3	<i>Session Title: Introduction to Machine Learning and Deep Learning</i>
	3:40-5:10	Technical Session#4	<i>Session Title: Essentials of Deep Learning - 1</i>
Day # 2 04/07/2021 Sunday	9:30-10:30	Technical Session#5	<i>Session Title: Essentials of Deep Learning - 2</i>
	10:40-11:40	Technical Session#6	<i>Session Title: Intuition of Fully Connected Netwroks (FC)</i>
	11:50-12:50	Technical Session#7	<i>Session Title: Introduction to Convolutional Neural Networks (CNN)</i>
	12:50-2:00		Lunch Break
	2:00-3:30	Hands-on Session#1	<i>Session Title: Hands-on Session 1 (Fully Connected Networks)</i>
	3:40-5:10	Hands-on Session#2	<i>Session Title: Hands-on Session 2 (Convolutional Neural Networks)</i>
Day # 3 10/07/2021 Saturday	9:30-10:30	Technical Session#8	<i>Session Title: CNN Case Study - 1 (Designing a CNN)</i>
	10:40-11:40	Technical Session#9	<i>Session Title: CNN Case Study - 2 (AlexNet, VGG, ResNet, and InceptionNet)</i>
	11:50-12:50	Technical Session#10	<i>Session Title: Siamese (Basics of siamese networks, How to train siamese networks: loss functions and batching)</i>
	12:50-2:00		Lunch Break
	2:00-3:30	Hands-on Session#3	<i>Session Title: Hands-on Session 3 (Finetuning Pretrained Networks)</i>
	3:40-5:10	Hands-on Session#4	<i>Session Title: Hands-on Session 4 (Siamese Networks)</i>

Day # 4 11/07/2021 Sunday	9:30-10:30	Technical Session#11	Session Title: Autoencoder and its Applications
	10:40-11:40	Technical Session#12	Session Title: Variational Autoencoders - 1 (Intuition of VAE)
	11:50-12:50	Technical Session#13	Session Title: Variational Autoencoders - 2 (Training and Inference of VAE)
	12:50-2:00		Lunch Break
	2:00-3:30	Hands-on Session#5	Session Title: Hands-on Session 5 (Autoencoders)
	3:40-5:10	Hands-on Session#6	Session Title: Hands-on Session 6 (Variational Autoencoders)
Day # 5 17/07/2021 Saturday	9:30-10:30	Technical Session#14	Session Title: GAN - 1 (Basics of Generative Adversarial Networks)
	10:40-11:40	Technical Session#15	Session Title: GAN - 2 (Some GAN case studies: DCGAN, ConditionalGAN)
	11:50-12:50	Technical Session#16	Session Title: GAN - 3 (Some GAN case studies: Pix2Pix, CycleGAN, SRGAN)
	12:50-2:00		Lunch Break
	2:00-3:30	Technical Session#17	Session Title: RNN - 1 (Basics of Recurrent Neural Networks)
	3:40-5:10	Hands-on Session#7	Session Title: Hands-on Session 7 (Generative Adversarial Networks)
Day # 6 18/07/2021 Sunday	9:30-10:30	Technical Session#18	Session Title: RNN - 2 (GRU and LSTM)
	10:40-11:40	Technical Session#19	Session Title: Transformer - 1 (Introduction to self-attention)
	11:50-12:50	Technical Session#20	Session Title: Transformer - 2 (Multi-Head Attention)
	12:50-2:00		Lunch Break
	2:00-3:30	Technical Session#21	Session Title: transformer - 3 (Case Studies: Bert, GPT, ViT)
	3:40-5:10	Hands-on Session#8	Session Title: Hands-on Session 8 (RNN's and Transformers)