

Date	Start Time	End Time	Duration	Presenter	Title	Author List
Wednesday, 1 December 2021	13:00	13:15	0:15	Roman Pevzner	Time-lapse seismic signal from small CO ₂ injection and where to find it	Roman Pevzner, Roman Isaenkov, Sinem Yavuz, Pavel Shashkin, Alexey Yurikov, Konstantin Tertyshnikov, Boris Gurevich, Julia Correa, Stanislav Glubokovskikh, Todd Wood, Barry Freifeld, Paul Barraclough
	13:15	13:40	0:25	Roman Isaenkov	Advanced time-lapse processing of continuous DAS VSP data for plume evolution monitoring	Roman Isaenkov, Roman Pevzner, Sinem Yavuz, Pavel Shashkin, Alexey Yurikov, Konstantin Tertyshnikov, Boris Gurevich, Julia Correa, Stanislav Glubokovskikh, Todd Wood, Barry Freifeld, Paul Barraclough
	13:40	14:05	0:25	Alexey Yurikov	Seismic monitoring of CO ₂ geosequestration using 4D DAS VSP	Alexey Yurikov, Konstantin Tertyshnikov, Roman Isaenkov, Evgenii Sidenko, Sinem Yavuz, Stanislav Glubokovskikh, Paul Barraclough, Pavel Shashkin, and Roman Pevzner
	14:05	14:30	0:25	Roman Pevzner	Monitoring CO ₂ injection using direct wave amplitudes and travel times	Roman Pevzner, Stanislav Glubokovskikh, Roman Isaenkov, Pavel Shashkin, Konstantin Tertyshnikov, Sinem Yavuz, Boris Gurevich, Julia Correa, Todd Wood, Barry Freifeld
	14:30	14:55	0:25	Sinem Yavuz	Monitoring near-surface variations using borehole DAS and SOVs	Sinem Yavuz, Roman Isaenkov, Roman Pevzner, Boris Gurevich, Alexey Yurikov, Pavel Shashkin, Konstantin Tertyshnikov, Julia Correa, Todd Wood, Barry Freifeld
	14:55	15:15	0:20		Session Discussion	
	15:15	15:20	0:05		Tea Break	
	15:20	15:45	0:25	Konstantin Tertyshnikov	Near Surface variations from surface waves using HWC DAS cable and SOVs	Konstantin Tertyshnikov, Firdaus Bin Yusup, Roman Pevzner
	15:45	16:10	0:25	Evgenii Sidenko	Thermal effects on DAS data caused by water injection	Evgenii Sidenko, Roman Pevzner, Konstantin Tertyshnikov, Maxim Lebedev
	16:10	16:35	0:25	Evgenii Sidenko	DAS response to changes in reservoir pressure	Evgenii Sidenko, Roman Pevzner, Konstantin Tertyshnikov, Boris Gurevich
16:35	17:20	0:45		General Discussion		
Thursday, 2 December 2021	13:00	13:25	0:25	Stanislav Glubokovskikh	Continuous DAS measurements in a deep borehole provides new insights into the generation of the coastal microseisms	Stanislav Glubokovskikh, Roman Pevzner , Evgenii Sidenko , Konstantin Tertyshnikov, Boris Gurevich , Sergey Shatalin , Alexey Slunyaev, Efim Pelinovsky
	13:25	13:50	0:25	Boris Gurevich	Probing nonlinear elastic properties of the subsurface using seismic waves: Theory & experiment	Boris Gurevich, Valeriya Shulakova, Alexey Yurikov, Roman Pevzner, Konstantin Tertyshnikov
	13:50	14:15	0:25	Alexey Yurikov	Feasibility of reservoir monitoring using nonlinear seismic effects measured by downhole distributed acoustic sensors	Alexey Yurikov, Roman Isaenkov, Konstantin Tertyshnikov, Boris Gurevich, Evgenii Sidenko, Stanislav Glubokovskikh, Valeriya Shulakova, Barry Freifeld, Julia Correa, Todd Wood and Roman Pevzner
	14:15	14:40	0:25	Pavel Shashkin	PSDM application on mini 3D dataset	Pavel Shashkin, Konstantin Tertyshnikov, Byapak Yagol, Roman Pevzner
	14:40	15:00	0:20		Session Discussion	
	15:00	15:15	0:15		Tea Break	
	15:15	15:40	0:25	Evgenii Sidenko	Feasibility of rapid reverse VSP monitoring of shallow CO ₂ release	Evgenii Sidenko, Stanislav Glubokovskikh, Konstantin Tertyshnikov, Roman Pevzner
	15:40	16:05	0:25	Roman Isaenkov	Effects of source mispositioning on VSP data repeatability	Roman Isaenkov, Konstantin Tertyshnikov, Ruben Lopez Lema, Roman Pevzner
	16:05	16:30	0:25	Sana Zulic	Comparison of amplitude measurements on borehole geophone and DAS data	Sana Zulic, Evgenii Sidenko, Alexey Yurikov, Konstantin Tertyshnikov, Andrej Bona, Roman Pevzner
16:30	17:15	0:45		General Discussion		
Friday, 3 December 2021	13:00	13:25	0:25	Andrej Bona	Land seismic with DAS – update	Andrej Bona, Roman Pevzner, Konstantin Tertyshnikov, Alexey Yurikov, Pavel Shashkin
	13:25	13:50	0:25	Sana Zulic	Subsurface characterization using Full Waveform Inversion of VSP data: Example from the Curtin Geolab well	Sana Zulic, Andrej Bona, Konstantin Tertyshnikov, Alexey Yurikov, Roman Pevzner
	13:50	14:15	0:25	Konstantin Tertyshnikov	Where on Curtin University campus is the dark fibre?	Konstantin Tertyshnikov, Sinem Yavuz, Alexey Yurikov, Roman Isaenkov, Evengii Sidenko, Andrej Bona, Roman Pevzner
	14:15	14:35	0:20		Session Discussion	
	14:35	14:50	0:15		Tea Break	
	14:50	15:15	0:25	Maxim Lebedev	An apparatus to measure the dynamic Young's and Shear moduli of rocks at elevated pressures at seismic frequencies	Maxim Lebedev, Vassili Mikhaltsevich
	15:15	15:40	0:25	Alexey Yurikov	Laboratory measurements with DAS: A fast and sensitive tool to obtain elastic properties at seismic frequencies	Alexey Yurikov, Roman Pevzner, Konstantin Tertyshnikov, Vassili Mikhaltsevitch, Boris Gurevich, Maxim Lebedev
	15:40	16:05	0:25	Jiabin Liang	Multi-mineral segmentation of micro-tomographic images using a convolutional neural network	Jaibin Liang, Yongyang Sun, Maxim Lebedev, Boris Gurevich, Michel Nzikou, Stephanie Vialle, Stanislav Glubokovskikh
	16:05	16:30	0:25	Jiabin Liang	High-precision tracking of sandstone deformation from micro-CT images	Jiabin Liang, Maxim Lebedev, Boris Gurevich, Christoph Arns, Stephanie Vialle, Stanislav Glubokovskikh
16:30	17:15	0:45		General Discussion		