

Date	Title	Author	Publication	Link to paper
November 2024	Pulsed Electromagnetic Techniques for Non-Destructively Classifying Rocks and Rock Sequences Below the Ground to Help Guide Drilling Programmes	G. Stove, C Stove, D Limmer	Petex 2024	
November 2024	Monitoring Subsurface Temperature Gradients Using Pulsed Electromagnetic Waves and Machine Learning	G. Stove, K. Van den Doel, C. Stove	Fifth EAGE Global Energy Transition Conference & Exhibition (GET 2024), Nov 2024, Volume 2024, p.1 - 9	https://doi.org/10.3997/2214-4609.202421017
December 2023	Earth-friendly subsurface geothermal surveillance technology	G. Stove, K. van den Doel (Adrok Ltd), R. Baria (EGS Energy), H. Glass (University of Exter)	GESGB Geophysics Seminar December 2023	
November 2023	Empirical and simulated earth-friendly subsurface geothermal surveillance technology	G. Stove, K. van den Doel (Adrok Ltd), R. Baria (EGS Energy), H. Glass (University of Exter)	The Geological Society 10 th UK Geothermal Symposium	https://www.adrokgroup.com/slickr_media_upload?id=952
September 2023	Environmentally Friendly Low Impact, Low Carbon Footprint, Low Power Electromagnetic Technique for Shallow Geothermal Exploration	G. Stove	NSG2023 29th European Meeting of Environmental and Engineering Geophysics, Sep 2023, Volume 2023, p.1 – 5	https://doi.org/10.3997/2214-4609.202320006
August 2023	Environmentally friendly low impact, low carbon footprint, low power electromagnetic technique for mineral exploration undercover	G. Stove	SEG 2023 Conference: Resourcing the Green Transition.	
August 2023	Environmentally Friendly Low Impact, Low Carbon Footprint, Low Power Electromagnetic Technique for Mineral Exploration	G. Stove	First Break Volume 41(Issue 8):p. 95 - 101	https://doi.org/10.3997/1365-2397.fb2023068
June 2023	Deep detection range test for a low frequency subsurface radar system (with reviewable data available online)	G. Stove, K. van den Doel (Adrok Ltd.) S. Paling, P. Scovell (STFC Boulby Underground Laboratory) T. Edwards (ICL Boulby)	84th EAGE Annual Conference & Exhibition Jun 2023, Volume 2023, p.1 - 5	https://doi.org/10.3997/2214-4609.2023101348
October 2022	Green Technology to Help Calculate Subsurface Geothermal Zones and Temperatures Before Drilling	Stove G, Limmer D, Delgado O, Lawrence L.	First Break, Volume 40, Issue 10, Oct 2022, p. 95 - 101	https://doi.org/10.3997/1365-2397.fb2022090

June 2022	The use of stacked radio waves as a qualitative proxy for geothermal potential across England	Stove G, Limmer D, Delgado O, Lawrence L.	83RD EAGE ANNUAL CONFERENCE & EXHIBITION (EAGE2022)	https://doi.org/10.3997/2214-4609.202210446
June 2022	Adrok Sonification Concert: Three Improvisations	Sijin Chen, Kees van den Doel, Colin Stove, Gordon Stove, Make Li, James Harkins and Lin Zhang	THE 27TH INTERNATIONAL CONFERENCE ON AUDITORY DISPLAY (ICAD2022)	
November 2021	Green technology to help calculate subsurface geothermal zones and temperatures before drilling	Stove G, Limmer D, Delgado O, Lawrence L.	EAGE Get 2021	https://doi.org/10.3997/2214-4609.202121069
November 2021	Delineation of Carboniferous Shales in the Bowland Basin, UK - Using Stacked Radio Waves	Delgado O, Stove G.	Petex 2020/2021	
October 2021	Subsurface Temperature Measurement Using Electromagnetic Waves and Machine Learning for Enhanced Oil Recovery	Doel van den K	European Association of Geoscientists & Engineers (EAGE), Conference Proceedings, 82nd EAGE Annual Conference & Exhibition, Dec 2020, Volume 2020, p.1 – 5	https://doi.org/10.3997/2214-4609.202011129
August 2021	Extracting subsurface temperature gradients from radar probes using machine learning with applications to enhanced oil recovery	Doel van den K, Robinson M, Stove C, Stove G.	International Conference on Electromagnetics in Advanced Applications 2021	DOI: https://doi.org/10.1109/ICEAA52647.2021.9539717
April 2021	Finding water using a pulsed radar system	Stove G.	Symposium on the Application of Geophysics to Engineering and Environmental Problems 2021 (SAGEEP2020/2021)	https://doi.org/10.4133/sageep.33-066 https://www.proceedings.com/58620.html
December 2020	Subsurface Temperature Measurement Using Electromagnetic Waves and Machine Learning for Enhanced Oil Recovery	Doel van den K, Robinson M, Stove C, Stove G.	European Association of Geoscientists & Engineers (EAGE), Conference Proceedings, 82nd EAGE Annual Conference & Exhibition, Dec 2020, Volume 2020, p.1 – 5	DOI: https://doi.org/10.3997/2214-4609.202011129
October 2020	Helping De-Risk the Exploration for Suitable Geothermal Drill Targets	Stove G.	Geothermal Rising / Geothermal Resources Council (GRC) 2020 Annual Meeting https://grc2020.mygeoenergynow.org/	https://grc2020.mygeoenergynow.org/helping-de-risk-exploration-suitable-geothermal-drill-targets

			org/access-demand-content	
September 2020	Progress towards the development of a sulfide targeting tool for mineral exploration under cover	Richards S., Stove G.	EAGE Mineral Exploration Symposium 2020	https://www.earthdoc.org/docserver/fulltext/2214-4609/2020/mineral-exploration-symposium/EAGE_Abstract_Richards_and_Stove_26062020-13-22-Stove-Gordon.pdf?expires=1614021042&id=id&accname=guest&checksum=F3DD579CBA1A34CEA4B229DAB1BAE9EB
July 2020	Helping reduce the risk and cost of exploration under cover: Introducing new case study results from the ongoing development of a sulfide targeting tool	Richards S., Stove G.	The Geological Society of America (GSA)	https://gsa.confex.com/gsa/2020AM/webprogram/Paper349391.html
July 2020	Spanning the Centuries An anthology of essays reflecting the influence and heritage of the UNION BRIDGE Berwick-upon-Tweed	Edited by Professor Roland Paxton G.C. Stove (chapter 2)	The Friends of the Union Chain Bridge, Chain Bridge House, Horncliffe, Berwick-upon-Tweed, TD15 2XT	http://www.unionbridgefriends.com/publications/ ISBN 978 1 5272 6523 3
June 2019	Calculation of Optimal Noise Levels for the Detection of Conductive Lenses in Permafrost with Radar Scans	Doel van den K.	EAGE 2019 Conference	https://adrok-assets.s3.amazonaws.com/sites/5278fe8821ba55f86b000002/assets/5e4ffe773a3361d18a0004fe/eage2019.pdf
November 2018	Onshore UK detection of subsurface geology to metre scale resolution and km scale depth, without drilling or seismic	Waters D., Stove G.	PETEX2018	https://adrok-assets.s3.amazonaws.com/sites/5278fe8821ba55f86b000002/assets/5bfed6413a336173ee003033/20181119_PETEX_Poster_2P.pdf
October 2018	Extending the Reach of Radio Waves for Subsurface Water Detection	Stove G.	CSEG Recorder	https://csegrecorder.com/articles/view/extending-the-reach-of-radio-waves-for-subsurface-water-detection
October 2018	Radio wave method for monitoring steam injection for Enhanced Oil Recovery (EOR) and for finding sources of geothermal heat	Stove G., Stove C., Robinson M.	Geothermal Resources Council (GRC)	https://pubs.geothermal-library.org/lib/grc/1034080.pdf
February 2018	New method for monitoring steam	Stove G., Stove C., Robinson M.	AEGC 2018	https://s3-eu-west-

	injection for Enhanced Oil Recovery (EOR) and for finding sources of geothermal heat.			1.amazonaws.com/adrok-static-files/T5.1C.pdf
October 2018	Identification and delineation of potash deposits in Saskatchewan, Canada using pulsed radar technology	Gordon Stove, Michael Robinson, Louis Fourie, Paul Neufeld, and Mike Ferguson	Geophysics Journal	https://library.seg.org/doi/pdf/10.1190/geo2018-0881.1
October 2018	Extending the Reach of Radio Waves for Subsurface Water Detection	Stove G.	Canadian Society of Exploration Geophysicists (CSEG)	https://csegrecorder.com/articles/view/extending-the-reach-of-radio-waves-for-subsurface-water-detection
2018	Modeling and Simulation of Low Frequency Subsurface Radar Imaging in Permafrost	K van den Doel, G Stove	Computer Science and Information Technology 6(3): 40-45, 2018	http://scholar.google.ca/scholar_url?url=http://www.hrpub.org/download/20180930/CSIT2-13512106.pdf&hl=en&sa=X&d=17613076534287425360&scisig=AAGBfm0YH1LamN01wK5npb9WHh6tIFDpgg&nossl=1&oi=scholarart
October 2017	Field testing a deep penetration radar system for an Enhanced Oil Recovery (EOR) application by Chevron	Harness P., Barnes D., Stove G., Stove C.	AAPG-ICE 2017	
June 2017	Use of sonification of radar data for noise control	Doel van den K., Robinson M.	ICAD 2017 Sound in Learning Conference	https://adrok-assets.s3.amazonaws.com/sites/5278fe8821ba55f86b000002/assets/5954ce193a3361cff80003c7/icad2017_KvdD-MR.pdf
November 2016	Dragging Onshore and Offshore Exploration into the Quantum Age: using novel electromagnetic technology	Stove G.	PETEX 2016	https://s3-eu-west-1.amazonaws.com/adrok-static-files/PETEX2016_0001+ADR+abstract.pdf
June 2016	Modeling and simulation of a deeply penetrating low frequency subsurface radar system	Doel van den K.	EAGE 2016 Conference	https://s3-eu-west-1.amazonaws.com/adrok-static-files/eage2016_2.pdf
February 2015	Gold and Sulfide targeting using Atomic Dielectric Resonance (ADR)	Richards S., Stove G., and Cameron B.	ASEG-PESA 2015	https://www.adrokgroup.com/uploads/store/mediaupload/615/file/ASEG-PESA_2015_Abstract_Submission+Citig https://doi.org/10.1071/ASEG2015

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February 2015	Large depth exploration using pulsed radar	Stove G., Doel van den K.	ASEG-PESA 2015 https://doi.org/10.1071/ASEG2015ab045	https://s3-eu-west-1.amazonaws.com/adrok-static-files/ASEG-PESA_2015_Abstract_SubmissionADROK.pdf
October 2014	Ground penetrating abilities of broadband pulsed radar in the 1-70MHz range	K. van den Doel, J.Jansen, M.Robinson, G. C. Stove, and G. D. C. Stove	Society of Exploration geophysicists (SEG) Annual Meeting 2014	http://library.seg.org/doi/abs/10.1190/segam2014-1320.1
April 2012	Ground penetrating abilities of broadband pulsed radar in the 1-70MHz range	Stove G.	AAPG 2012	https://s3-eu-west-1.amazonaws.com/adrok-static-files/segam2014-1320.1.pdf
2012	GROUND PENETRATING ABILITIES OF A NEW COHERENT RADIO WAVE AND MICROWAVE IMAGING SPECTROMETER	G.C. Stove, J. McManus, M.J. Robinson, G.D.C. Stove, A. Odell	International Journal of Remote Sensing Vol. 34, Issue. 1, 2012	https://doi.org/10.1080/01431161.2012.713529
December 2010	Novel Electromagnetic Imaging and Rock Classification of the Subsurface	Stove G.	PETEX 2010	https://s3-eu-west-1.amazonaws.com/adrok-static-files/PETEX2010 - Adrok oral.pdf
July 2009	Invisible Light Imaging and Classification of Subsurface Rocks and Rock Sequences	Stove G., Stove C., Robinson M, McManus J.	EAGE 2009	https://s3-eu-west-1.amazonaws.com/adrok-static-files/Abstract%20Z033%20EAGE2009%20Adrok.pdf
December 2008	Novel techniques for finding hydrocarbons and rock sequences		PESGB 2008	https://s3-eu-west-1.amazonaws.com/adrok-static-files/Petex2008%20Focus%20on%20the%20Future%20%28Poster%201%29.pdf

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