



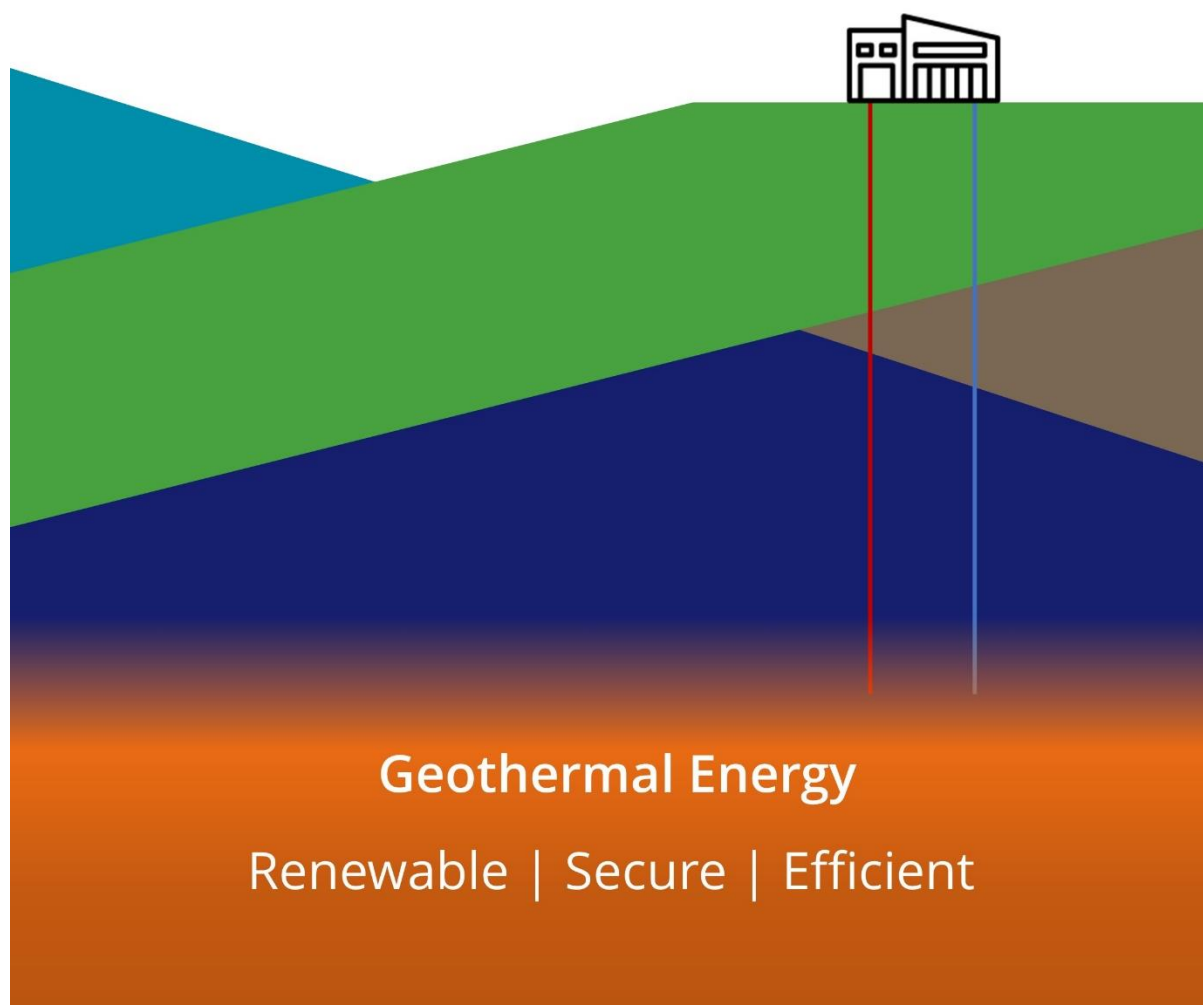
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3rd National Geothermal Summit

Poster Presentations



Irish based Geothermal Research Projects

1	Poster Title: <i>Authors:</i>	Visualising the Underground Using Quantum Sensing <i>C. Peng, C. Wang, J.C. Seamus Davis, Z. Li</i>
2	Poster Title: <i>Authors:</i>	Galleries2Calories – Heat GeoBattery: Using abandoned flooded mines to store and transport waste heat <i>C. McDermott, A. Perez-Silva, D. Townsend, P. Rodríguez-Salgado, J. Walsh, G2C Research Team</i>
3	Poster Title: <i>Authors:</i>	DIG Temperature Maps for Ireland with Uncertainty <i>E. L. Chambers, J. Fullea, D. Kiyani, S. Lebedev, C. Bean, P. Meere, S. Daly, R. Raine, S. Blake, B. O'Reilly</i>
4	Poster Title: <i>Authors:</i>	DIG Thermal Conductivity Measurements <i>E. L. Chambers, D. Kiyani, S. Fuchs, R. Raine, P. Rodríguez-Salgado, R. Pasquali, P. Meere, R. Unitt, B. O'Reilly</i>
5	Poster Title: <i>Authors:</i>	Geophysical Study of the South-West Ireland: DIG Project <i>D. Kiyani, M. Rezaeifar, C. Bean, P. Meere, T. Ye, C. Hogg, O. A. Vargas, B. O'Reilly</i>
6	Poster Title: <i>Authors:</i>	GEONORM: Characterisation of Geothermal Resources at UCD Campus <i>P. Rodríguez-Salgado, S. Roy, J. J. Walsh, D. Kiyani, D. Molodtsov, C. Bean, C. Farrell, C. McCormack, GEONORM consortium</i>
7	Poster Title: <i>Authors:</i>	GEONORM: Optimising Renewable Energy Integration and Decarbonisation Strategies for UCD Campus <i>A. Bampoulas, S. Duncan, M. Saffari, E. Mangina</i>
8	Poster Title: <i>Authors:</i>	Energy tunnel for large scale district heating distribution <i>Z. Li, M. Sameti</i>
9	Poster Title: <i>Authors:</i>	Automated Geological Core Segmentation Using Hyperspectral Imaging with YOLO and SAM Integration <i>Z. Khan, A. Li, R. Rogers, K. Torremans, K. English, A. Melo, J. Xu</i>
10	Poster Title: <i>Authors:</i>	A Machine Learning-Driven Software for Automated Hyperspectral Core Scanning and Geological Analysis <i>Z. Liu, A. Li, R. Rogers, K. Torremans, K. English, A. Melo, J. Xu</i>
11	Poster Title: <i>Authors:</i>	Geophysical studies of the Dublin Basin: GEO-URBAN project <i>G. Maggio, C. Bean, D. Kiyani, D. Molodtsov, J. Walsh</i>
12	Poster Title: <i>Authors:</i>	A multibranch, multitarget neural network for rapid point-source inversion in a microseismic environment: examples from the Hengill Geothermal Field, Iceland <i>N. Nooshiri, C. Bean, T. Dahm, F. Grigoli, S. Kristjánsdóttir, A. Obermann, S. Wiemer</i>
13	Poster Title: <i>Authors:</i>	Geophysical mapping of high hydraulic conductivity and geothermal potential Cenozoic faults in the Tellus datasets. <i>S. Vokes, H. Othen, A. Melo, J. J. Walsh, K. English, K. Torremans</i>
14	Poster Title: <i>Authors:</i>	Understanding the sensitivity of fibre optic cables to ground motion: a 2D & 3D numerical simulation approach <i>N. L. Celli, C. Bean, G. O'Brien</i>

15	Poster Title: <i>Authors:</i>	MOD3LTHERM – MODelling the 3D thermal and Lithospheric Structure of geoTHERMal regions <i>Chambers, Emma L., J. Fulla, D. Kiyon, R. Raine, S. Blake, B. Owusu, S. Daly, J. Grannell, P. Smith, D. Craig, M. Mölhoff, C. Bean</i>
16	Poster Title: <i>Authors:</i>	Facies controls on the vertical change in reservoir quality in the Triassic Sandstone Group, Kilroot Borehole, Northern Ireland <i>Moscardini R., K. English, P. Haughton, R. Raine, J. English, M. Cooper</i>
17	Poster Title: <i>Authors:</i>	Advancing geothermal energy assessment in Ireland through 3D subsurface geological and property modelling <i>Torremans, K., P. Rodriguez-Salgado, V. Roche, C. Farrell, C. McCormack, J.J. Walsh, R. Dunphy</i>
18	Poster Title: <i>Authors:</i>	Design Optimization of Shallow Geothermal Energy Systems at UCD using Thermo-Hydraulic Modelling <i>Xu, Shuoshuo, P. Rodriguez Salgado, J.J. Walsh, B. Zhao</i>
19	Poster Title: <i>Authors:</i>	Hyperspectral observations on GSI holes Tallaght and Grangegorman <i>Rogers, Russel and Dr. M. Pracht</i>
20	Poster Title: <i>Authors:</i>	Facies control on the vertical change in reservoir quality, in the Triassic Sherwood Sandstone Group, Kilroot GT-01 borehole, Northern Ireland <i>Moscardini, Rioko, K. L. English, P. Haughton, R. Raine, J. M. English, M. Cooper</i>
21	Poster Title: <i>Authors:</i>	'Geothermal Potential of Groundwater in Tunnel Drainage Systems: A Case Study of Dublin Port Tunnel <i>Fan, Tao, M. Sameti, Z. Li</i>
22	Poster Title: <i>Authors:</i>	Clean Energy Transition Partnership <i>The CETPartnership Communication Team</i>
23	Poster Title: <i>Authors:</i>	The Geothermica Initiative - Towards a Stronger European Geothermal Sector <i>The Geothermica Initiative Team</i>