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List of authors in alphabetic order

No	Paper Code	Abstract ID	Title	Author name	Company	Country
1	WP4-29	687	Electric motor drive instead of gas turbine for lpg plant	Abdallah Mehiaoui, Souad	Sonatrach	ALGERIA
2	TP5-2	792	Optimisation and securisation of natural gas plant gains in profitability, stability, operability, safety and energy efficiency	Abdallah Mehiaoui, Souad	Sonatrach	ALGERIA
3	TP5-9	290	Numerical analysis natural gas release rate in pipeline rupture	Abolfazli Esfahani, Javad	Ferdowsi university of Mashhad	IRAN
4	TP3-11	380	LNG Regasification – An Overview of global Technology & Cold Energy Utilisation	Agarwal, Randeep	Queensland University of Technology	AUSTRALIA
5	TP4-24	269	Performance Assessment of air coolers new tubes layout to achieve optimum design by using finite element model and experimental data: A case study	Agharezaei, Naser	SPGC(south pars gas complex)	IRAN
6	TP4-25	270	Failure Analysis and design modification of stack spool bolts under mechanical/thermal loading using finite element model and experimental data: A case study	Agharezaei, Naser	SPGC(south pars gas complex)	IRAN
7	TP5-1	728	Which methodology to assess societal impact of the Gas smart meters deployment in France ?	Ahamada, Nadjma	GDF SUEZ	FRANCE
8	WP1-19	142	Development and Verification of Ventilation Control System in Commercial Kitchen	Aibara, Megumi	Tokyo Gas	JAPAN
9	WP3-30	798	Integrity management program optimization of the complex gas pipeline network	Ainouche, Abdelhakim	SONATRACH -TRC	ALGERIA
10	WO4-2	794	Field Management and Information Systems using Integrated Production System Modeling to Optimize Hassi Messaoud Field	Aissani, Abdelmadjid	Sonatrach	ALGERIA
11	WO2-4	617	Innovative Systems of Methane-Hydrogen Fuel Production and Application	Aksyutin, Oleg	Gazprom	RUSSIA
12	TO6-2	12	Combined cycle gas turbine efficiency enhancement using heat pumps for thermal electric stations	Albul, Andrei	OJSC Gazprom Promgaz	RUSSIA
13	TP4-14	85	Modelling and Simulation Multi-stage Fracturing Propagation in Tight Reservoir through Horizontal Well.	Alioui, Smail	Sonatrach	ALGERIA
14	TP3-10	315	Investigations of plasma sprayed metallic coatings used to protect gas and LNG facilities against corrosion	Allaoua Nazef, Malha	Sonatrach	ALGERIA
15	WW4-2	487	The French Power-to-Gas project for demonstrating H2 injection in Natural Gas grid and Hythane® fuel for buses	Alliat, Isabelle	GDF SUEZ	FRANCE
16	WP4-41	766	Investigation into Corrosion-Resistant Epoxy Nano composite Coatings containing Nano-silica –Acrylate and filler epoxy clay	Almasi, Hojjatollah	5th district of gas transmission operation	IRAN
17	TP1-1	734	Potential of unwanted pre-reactions of LPG during the reforming processes in fuel cell CHP	Anger, Stephan	TU Bergakademie Freiberg	GERMANY
18	WP5-1	745	Potential of thermally integrated high-temperature electrolysis and methanation for the storage of energy by Power-to-Gas	Anger, Stephan	TU Bergakademie Freiberg,	GERMANY
19	TW3-3	661	Diversifying the Zeebrugge LNG terminal into a hub for small-scale LNG	Aouad, Hany	Fluxys	BELGIUM
20	WP3-25	621	Comprehensive Approach to Predicting Stress Corrosion Condition of Main Gas Pipelines	Arabey, Andrey	Gazprom	RUSSIA
21	TP4-2	32	Express assessment of recultivation efficiency of disturbed tundra soils in natural gas production area	Arabskii, Anatolii	Gazprom dobycha Yamburg LLC	RUSSIA
22	TP3-15	2	Mobile Geospatial Technologies for Asset and Integrity Management	Armstrong, Paul	Gas Technology Institute	USA
23	WP5-29	411	Development and Introduction of trenchless technology in gas construction for environmental damage reduction	Asano, Makoto	Toho Gas	JAPAN
24	WP4-30	286	Feasibility of using CO2 and N2 injection as cushion gas in underground gas storages, based on a conceptual simulation	Askari, AmirAbbas	RIPI	IRAN
25	WP4-12	33	Environmental Management can be Integrated Along With Further Gas Quality Modification in Sarkhoon Gas Processing Plant (Part 2)	Atash Jameh, Abolfazl	National Iranian Gas Company	IRAN
26	WW2-4	540	Fuel consumption and emissions investigation on a HCNG operated passenger car	Bach, Christian	Empa	SWITZERLAND
27	WO8-2	394	Optimized Gas Injection Rate for Underground Gas Storage; Sensitivity Analysis of Reservoir and Well Properties	Baghooee, Hadise	Shiraz University	IRAN
28	WP4-35	424	Optimization on Number of Wells for Preparing a Field for Underground Gas Storage	Baghooee, Hadise	Shiraz University	IRAN
29	TP4-26	285	Measurement of BTEX in Amine and Dehydration Solutions of Natural Gas Processing Plant	Bahadoran, Farzad	Research Institute of Petroleum Industry	IRAN
30	TW2-2	214	Production costs for different green gas qualities based on large-scale gasification of biomass	Bahlmann, Rene	DNV GL	NETHERLANDS
31	WP4-20	126	Dispersion modeling and environmental risk assessment of produced water discharges from South Pars gas platforms in Persian Gulf	Bahmannia, Gholamreza	National Iranian Gas Company	IRAN
32	TP2-6	204	A case study on CO2 capture and transportation through natural gas pipeline : a sustainable step forward to go green	Bahmannia, Gholamreza	National Iranian Gas Company	IRAN
33	WP4-22	205	Life cycle assessment of a gas production offshore in South Pars field	Bahmannia, Gholamreza	National Iranian Gas Company	IRAN
34	WP3-22	429	Fugitive emission and loss control for operating safe and environment friendly natural gas transportation system in bangladesh	Bakht, Delawar	Bets Consulting Services Ltd	BANGLADESH
35	TP3-1	217	RealSens, An Advanced Airborne Pipeline Integrity Management and Gas Plume Imaging Technology	Banica, Adrian	Synodon Inc.	CANADA
36	TP5-55	597	Environmentally Clean Synthetic Gasolines: Developing Production Technology Based on Natural Gas	Barantsevich, Stanislav	OJSC "Gazprom promgaz"	RUSSIA
37	WO1-1	81	Practical Experience of Gas Heat Pump Technology in both Domestic and Commercial Heating Sector	Bargel, Stefan	E.ON Technologies	GERMANY
38	WP5-8	511	Design Support Tool for biomethane supply chains and gas distribution grids	Becker, Jauregui	University of Twente,	NETHERLANDS
39	TP5-57	635	Interoperability of Wireless Telemetry Systems for Utility Applications.	Beecher, Phil	Wi-SUN Alliance	UNITED KINGDOM
40	WP4-26	284	Fast Screening Method to Prioritize Underground Gas Storage Structures for Site Selection	Behrouz, Turaj	Research Institute of Petroleum Industry	IRAN
41	TP3-30	596	Energy-Efficient Conditions of Main Gas Pipeline Corridors	Belinskiy, Alexander	OJSC "Gazprom promgaz"	RUSSIA
42	TP5-56	598	Standardization of Dispatcher Control over Gas Supply Systems in Gazprom	Belinskiy, Alexander	OJSC "Gazprom promgaz"	RUSSIA
43	TP4-7	340	The non conventional reservoirs exploration and development: The Analytical protocol for petroleum potential evaluation and completion parameters	Benamara, Mustapha	Sonatrach	ALGERIA
44	TP2-15	236	Boiler simulation for gas consumption optimization	Benasla, Bachir	Sonatrach	ALGERIA
45	TP4-32	655	Effect of increased shale gas production on the relation between oil and regional gas prices	Benyoucef, Abderrezak	Sonatrach-Algerian Petroleum Institute-IAP	ALGERIA
46	FO2-3	138	Coffee Roasting Optimization Focusing On Afterburner Performance and Energy Saving	Bertinotti, Celso	GasBrasiliano	BRAZIL
47	WO4-1	677	Optimizing hydrocarbon and energy management in upstream oil and gas operations	Beuckels, Bart	UOP Honeywell	USA
48	WP3-28	692	Assessing the Fitness of Stop-off Bags for Use in Gas Distribution Systems up to an Operating Pressure of 5 bar	Bilsing, Andreas/ Olivier Rebibo (GDF SUEZ, France)	DBI Gas- und Umwelttechnik GmbH	GERMANY
49	WO3-4	435	Biogas upgrading using enzyme-biocatalyst technology	Blackwell, Barry	Akermin Inc.	DENMARK

50	TP2-7	273	Fundamental Research – Basics for Gas and Energy Saving Solutions Development	Bondarenko, Borys	The Gas Institute of National Academy of Sciences	UKRAINE
51	WP5-25	193	Natural gas future contract pricing: evidence from spot prices, speculation and arbitrage	Bouachera, Taoufik	Sonatrach / Algerian Petroleum Institute IAP	ALGERIA
52	WP3-36	194	Maintenance optimization for gas turbines based on supportability analysis	Bouachera, Taoufik	Sonatrach / algerian petroleum institute IAP	ALGERIA
53	TP4-13	790	Phases transition in producing gas wells	Bouchareb, Rafik	Sonatrach	ALGERIA
54	TO3-1	79	Investing in the Future: Long-Term Optimization of Asset Replacement in the Collective Regional Gas Grids of The Netherlands	Brouns, Gido	Enexis	NETHERLANDS
55	FO4-2	468	Alternatives to Venting of Natural Gas – ANG gas capture to reduce emissions	Brown, Martin	DNVGL	UNITED KINGDOM
56	TP3-20	473	Dynamic pressure management	Brussel, Stefan	Alliander	NETHERLANDS
57	TP3-12	433	Validating a dynamic grid model with tracer gas injection and analysis	Brussel, Stefan	Liandon	NETHERLANDS
58	TO5-3	483	Energy Storage – Hydrogen injected into the Gas Grid via electrolysis field test	Bruun, Jesper	Energinet.dk	DENMARK
59	TO6-1	257	High temperature gas heat pumps to recover industrial low energy heat	Buchet, Philippe	GDF SUEZ	FRANCE
60	TW1-4	260	Is there a future for micro-CHP?	Budliger, Jean-Pierre	Rudolf Schmid	SWITZERLAND
61	TO4-3	625	Experimental study of hydrate formation and dissociation processes of natural gas of gas-condensate fields of Eastern Siberia (republic of Yakutia)	Buleyko, Valery	Gazprom VNIIGAZ	RUSSIA
62	TW4-1	631	Nanoporous peek hollow fiber-based gas/liquid membrane contractors for sour gas treating	Bush, Vann	Gas Technology Institute	USA
63	WO3-3	750	Synergistic Combination of Natural Gas and Biomass in Gasification-based Systems for Chemicals and Fuels Production	Bush, Vann	Gas Technology Institute	USA
64	WO2-1	768	Partial Oxidation Gas-Turbine Based Turbo-POx Syngas Generation Technology for GTL Applications	Bush, Vann	Gas Technology Institute	USA
65	TP5-58	682	Development of a computing platform for technical support area of natural gas	Calvo, Arturo	PDVSA	VENEZUELA
66	TP5-20	525	Evolution of and additional functionalities to the city energy planning platform MEU	Capezzali, Massimiliano	Ecole Polytechnique Fédérale de Lausanne (EPFL)	SWITZERLAND
67	TP5-48	61	Potential estimation of biomethane in Croatia: Urban waste to grid injection and use in transport sector	Cegir, Karolina	Energy Community Secretariat, Vienna	AUSTRIA
68	TW3-4	606	LNG: A Viable Alternative Transport Fuel for Heavy Goods Vehicles	Chamberlain, John	Gas Natural Fenosa	SPAIN
69	TP4-4	283	Research of geological characteristics in Bashijiqike formation of Keshen-2 gas reservoir, Tarim basin, China	Chu, Guangzhen	Research Institute of Petroleum Exploration and Development, CNPC	CHINA
70	TO8-1	541	Expanding Sustainable Shale Gas Supply through Hydraulic Fracturing Efficiency Improvements	Ciezobka, Jordan	Gas Technology Institute	USA
71	WO4-3	455	Wintershall Noordzee Production Optimisation Initiative - Value Creation through Innovation	Damm, Michael	Wintershall Noordzee	NETHERLANDS
72	WP3-14	501	Field Experience and Evaluation of the South Pars Sea Line Pigging, Based on OLGA Simulations	Davoudi, Mehdi	South Pars Gas Complex Company	IRAN
73	WO3-1	53	The impact of new gases on distribution materials	De Bruin, Johannes	Kiwa Technology	NETHERLANDS
74	TP3-32	652	Re-establish Confidence in PE Electro Fusion Welding is needed	De Bruin, Johannes	Kiwa Technology	NETHERLANDS
75	WP5-44	678	Towards a full LCA of natural gas: introducing water footprint in the environmental assessment of natural gas chains	De Zutter, Caroline	GDF SUEZ	FRANCE
76	TP5-31	679	Environmental benefits and challenges of second generation biomethane (bioSNG)	De Zutter, Caroline	GDF SUEZ	FRANCE
77	TP3-9	743	A diagnosis tool to take into account biodiversity for worksite planning of a gas distribution company	De Zutter, Caroline	GDF SUEZ	FRANCE
78	WP3-29	753	Life cycle assessment of the Gas communicating counter : a innovative way to quantify environmental performances for GrDF	De Zutter, Caroline	GDF SUEZ	FRANCE
79	TP5-11	324	Support of Inertial Fluid Flow in Porous Media to CO2 Geological Sequestration Surveillance Program	Deghmoum, Abdelhakim	Sonatrach	ALGERIA
80	TW4-2	324	Support of Inertial Fluid Flow in Porous Media to CO2 Geological Sequestration Surveillance Program	Deghmoum, Abdelhakim	Sonatrach	ALGERIA
81	WO6-2	524	Power to Compression - Electric and Gas Driven Compressor Optimization for Energy Cost Reduction and Renewable Electricity Storage in the Natural Gas Infrastructure	Derlien, Holger	Energie-Forschungszentrum Niedersachsen	GERMANY
82	WP3-4	444	Development of an inspection robot for small diameter gas distribution mains	Dertien, Edwin	University of Twente	NETHERLANDS
83	TP2-14	64	System of waste heat recovery	Discantiny, Imrich	COM-therm,s.r.o.; HELORO,s.r.o.	SLOVAK REPUBLIC
84	WP3-41	640	Numerical analysis of turbulent natural convection in an LNG storage tank	Djehdjdjeh, Amel	USTHB university	ALGERIA
85	WP3-27	686	New approach based on control theory to secure gas pipeline transportation system under cyber vulnerability	Djeridane, Badis	SONATRACH	ALGERIA
86	WW1-2	707	Fundamentals of Innovative Technologies in the Gas Industry	Dmitrievsky, Anatoly	Oil and Gas Research Institute	RUSSIA
87	FO1-4	507	Approaches to optimize natural gas utilization for varying operation conditions	Doerr, Holger	DVGW-Forschungsstelle	GERMANY
88	TO7-1	314	Verification methodology for gas quality tracking systems for fiscal metering	Douwes, Martijn	DNV GL Oil & Gas	NETHERLANDS
89	TP2-5	320	The Enhancement of gasoline production in a novel configuration of dual type reactors for Fischer-Tropsch synthesis of GTL (gas to liquid) technology	Dowran Amir Reza	Shiraz university	IRAN
90	WP3-13	491	Fiscal billing by online simulator in transmission grid	Drejer Eeg, Tina	Energinet.dk	DENMARK
91	TP3-7	709	Comparison of the accuracy of different methods of methane fugitive emissions measurements	Dyakowska, Eliza	Gas Transmission Operator GAZ-SYSTEM	POLAND
92	TP1-21	470	The gas quality challenge	Eekelen, van, Rosemarie	Alliander	NETHERLANDS
93	WP5-6	477	Oxygen removal during biogas upgrading using iron-based adsorbents	Erler, Ronny	DBI - Gastecnologisches Institut gGmbH Freiberg,	GERMANY
94	WP5-7	479	Methodology for GIS-based heat demand analyses in large urban areas	Erler, Ronny	DBI - Gastecnologisches Institut gGmbH Freiberg,	GERMANY
95	WP3-10	197	Pipelines safety improvement through controlling rodents	Etemad, Nahid	Research Institute of Petroleum Industry	IRAN
96	TP2-1	165	A Novel Equation for Calculating the Expansion Factor of Gas in Control Valve Sizing by considering the Z-factor	Faraz, Nasser	National Iranian South Oil Company	IRAN
97	WP4-11	17	Considerations for Flare Gas Recovery Design in Khangiran Gas Treating Plant	Feizi, Yahya	SGPC - NIGC	IRAN
98	WP3-42	645	Will the increased use of natural gas power plants produce greater pricing pressures and product availability for other segment users in Brazil?	Felix, Makyo	Companhia de gás da bahia - bahiagás	BRAZIL
99	WP3-15	590	Pragmatic method based on a refined computational approach to take into account external loads and vibrations on PE pipes long term behavior	Fernandez, Charles	GDF SUEZ/CRIGEN	FRANCE
100	TP2-3	224	Design of a small heat recovery steam generator using bayonets tubes	Ferraz, André / Konishi, Ricardo	SCGÁS - Companhia de Gás de Santa Catarina	BRAZIL
101	TP2-4	248	Energy efficiency in industrial applications of natural gas	Ferraz, André / Konishi, Ricardo	SCGÁS - Companhia de Gás de Santa Catarina	BRAZIL
102	TP2-16	259	Plastic thermoforming pre-heater by natural gas	Ferraz, André / Konishi, Ricardo	SCGÁS - Companhia de Gás de Santa Catarina	BRAZIL
103	WP2-14	262	Energy efficiency increasing in high temperature kilns	Ferraz, André / Konishi, Ricardo	SCGÁS - Companhia de Gás de Santa Catarina	BRAZIL
104	WP2-15	264	Development of Dual Fuel Technology for Power Generators	Ferraz, André / Konishi, Ricardo	SCGÁS - Companhia de Gás de Santa Catarina	BRAZIL
105	WP1-21	265	Compact instantaneous water heater	Ferraz, André / Konishi, Ricardo	SCGÁS - Companhia de Gás de Santa Catarina	BRAZIL
106	TP3-27	499	Gas Quality Tracking in Distribution Grids with SmartSim – Application of Infrared Sensors (IR) for Validation of the Simulation Results.	Fiebig, Christian	Ruhr University Bochum	GERMANY
107	WP3-31	629	New Smart Regulation Station	Filip, Martin	RWE GasNet	CZECH REPUBLIC

108	WP1-18	95	New approaches of testing innovative gas heating appliances automatically	Fischer, Thomas	E.ON New Build & Technology	GERMANY
109	WP5-19	628	Applying Independent Power Sources Based on Small-Capacity Micro Turbo-Expander Generators	Fokin, Georgy	Gazprom Transgaz St. Petersburg	RUSSIA
110	TP1-4	130	Off-Line Heat Transfer Systems	Fukui, Koji	Osaka Gas	JAPAN
111	WW2-3	158	Prospects for Heavy-Duty CNG truck in the Japanese logistics industry	Fukutome, Naoko	Tokyo Gas Co., Ltd	JAPAN
112	WP1-16	157	Intelligent remote monitoring system for GHP	Furuhashi, Yuma	Tokyo Gas	JAPAN
113	TP5-28	626	Utilization of Associated Petroleum Gases	Gagarin, Maxim	TyumenNllgiprogaz	RUSSIA
114	WP3-44	657	A Comparison of Fracture Toughness as Determined on Curved and Flat CT Specimens for Application in Gas Pipeline Integrity Management.	Gajdoš, Lubomír	Institute of Theoretical and Applied Mechanics, Academy of Sciences of the Czech	CZECH REPUBLIC
115	FO4-1	216	Fundamental and Applied Numerical Approaches for CO2 Capture in Flue Gases Within a Supersonic Nozzle	George, Erwin	GDF SUEZ	FRANCE
116	WP2-3	223	Numerical CFD Simulations for Optimizing a Biomass Gasifier Reactor Design and Operating Conditions	George, Erwin	GDF SUEZ	FRANCE
117	TW1-3	560	All gas district	Geurds, Michiel	Alliander	NETHERLANDS
118	TP3-8	735	Modelling and evaluating natural gas pipeline networks under hydrogen injection	Ghasemi, Morteza	Nigc	IRAN
119	TP4-27	294	Finite element simulation of cooling rate effects on thermal strain and stress in the shell of a de-methanizer stripper column fabricated from AISI-304L stainless steel	Ghasi Heris, Arash	South Pars Gas Complex(SPGC)	IRAN
120	WP2-9	466	Microalgal Biofixation Potential in Gas Compressor Stations	Ghorbani	National Iranian Gas Company	IRAN
121	WW1-4	333	A spatially resolved agent-based analysis of potential shale gas development in Poland	Giaccaria, Sergio	Joint Research Centre	NETHERLANDS
122	WO1-3	271	Development of Economical Gas-fired Ammonia-Water Absorption Heat Pumps for Water Heating and Space Heating Applications	Glanville, Paul	Gas Technology Institute	USA
123	WP4-6	210	Novel methanation concepts for the production of Substitute Natural Gas	Goetz, Manuel	DVGW-Forschungsstelle at the Engler-Bunte-Institut of the KIT	GERMANY
124	TP5-32	689	45 Years of Experience with Reliable Power Supply in Remote BGV/RGV Stations Along Pipelines - a Key Factor for Safe Gas Transportation Systems	Gropper, Jean	Ormat Power	USA
125	TP5-45	263	Micro and nanosensors for the multiparametric analysis of natural gas quality	Guitierrez, Angel	EDP Natugas Energia	SPAIN
126	TP5-38	330	Strategic Drivers for Growth of Natural Gas Sector in India	Gupta, Ayush	Gail India Limited	INDIA
127	WO6-3	211	Life cycle assessment of a biogas plant with biomethane as vehicle fuel and injected into the natural gas grid by CO2 capture and storage technology	Gutierrez, Angel	EDP Naturgas Energia	SPAIN
128	TO5-4	325	State of the art and perspectives of CO2 methanation process concepts for power-to-gas applications	Götz, Manuel	DVGW- Research Centre at the Engler-Bunte-Institut (EBI)	GERMANY
129	TP4-8	396	Applying fractals theory to propagate and modelise natural fractures in tight gas reservoirs Hamra Quartzites formation/Rhourde Nouss Field/ Algeria	Habib, El Mehdi	Sonatrach	ALGERIA
130	TP4-9	589	Optimization and new approach for drilling oil & gas deep wells	Haddoum_Kherfellah, Nadia	Sonatrach-Upstream Activity	ALGERIA
131	TP2-13	697	Strategies hybridization solar energy to optimize the consumption of rotating machines of a compressor station	Hadj Ammar, Sidali	Sonatrach	ALGERIA
132	TP3-39	698	Development of a mixing gas of different qualities in a gas pipeline network using an intelligent model	Hadj Ammar, Sidali	Sonatrach	ALGERIA
133	TP2-19	699	Comparative study between the use of standards and contractual conditions in the metering of natural gas orifice flowmeter	Hadj Ammar, Sidali	Sonatrach	ALGERIA
134	WP4-25	266	Investigation on Zero Flaring During Phase One Refinery Start up in South Pars Gas Complex	Haghighi Asl, Masoud	South Pars Gas Complex	IRAN
135	WP4-24	225	A new approach for gas flares reducing: Theoretical and practical surveys for zero flaring start up in South Pars gas refinery	Hajilary, Nasibeh	South Pars Gas complex	IRAN
136	WP4-21	183	Incorporating PIM-1 as Organic Filler to Improve Gas Transport Properties of Ultem Polyetherimide Flat Sheet Membranes and Hollow Fibers	Hao, Lin	National University of Singapore	SINGAPORE
137	WP3-7	111	RFID technology to improve safety on buried Pipes	Hardy, Michel	GDF SUEZ/ CRIGEN	FRANCE
138	WP3-3	112	Keyhole technology : an opportunity for European utilities to offer tailor-made solutions to their customers	Hardy, Michel	GDF SUEZ/ CRIGEN	FRANCE
139	WP5-5	476	Gas migration in soil from a distribution network leakage: an experimental and numerical study to assess time and spatial scales	Hardy, Michel	GDF SUEZ	FRANCE
140	WP1-7	480	Gas quality harmonisation is key for security of supply and competitiveness of gas	Hec, Daniel	Marcogaz	BELGIUM
141	TP5-59	714	Development of an Autothermal Biogas Processor for Hydrogen Production	Herrmann	TU Bergakademie Freiberg	GERMANY
142	TO7-3	498	Gas quality tracking in distribution grids with smartsim - a new kernel for flow calculation	Hielscher, Andreas	Ruhr University Bochum	GERMANY
143	WP5-12	186	On the Growing Substitution of Plastic Resin Components for Metal Components in Gas Supply Facilities and Appliances	Higuchi, Yuji	Osaka Gas	JAPAN
144	WW3-2	187	Buried Pipe Detection Technology and In-pipe Traveling Robot Technology	Higuchi, Yuji/Konno, Minoru	Osaka Gas/Tokyo Gas	JAPAN
145	WW4-4	318	Power-to-Gas: Renewable gas production for energy storage via a novel biocatalytic process	Hofstetter, Dominic	Electrochaea	DENMARK
146	TW4-3	496	CO2 capture onto well-organized carbon coated hierarchical honeycomb monolith	Hosseini, Sara	National Iranian Gas Company	IRAN
147	WW1-1	537	Transformation of energy systems – modeling a future mix of natural gas and renewables from a European perspective	Hotopp, Steven	Clausthal University of Technology	GERMANY
148	TW2-1	26	Biogrid; an affordable alternative for a sustainable future	Huijzer, Elbert	Liander	NETHERLANDS
149	TP5-4	67	Advances in gas detection technology deliver improved safety	Hutton, Roger	Crowcon Detection Instruments	UNITED KINGDOM
150	TP5-23	547	Monitoring of safety by gas service managed by the gas distribution company	Hyldegaard-Pedersen, Søren	HMN Naturgas	DENMARK
151	WP4-7	124	New low temperature technologies of natural gas processing	Imaev, Salavat	ENGO Engineering	RUSSIA
152	TP5-14	386	The new quantitative analytical method for ultratrace sulfur compounds in natural gas	Imanishi, Hironori	Tokyo Gas	JAPAN
153	TP5-29	633	Simulation of gas sweetening process using new formulated amine solutions by developed package and HYSYS	Irani, Mohammad	Research Institute of Petroleum Industries	IRAN
154	WP1-3	409	HAN devices with ECHONET Lite for gas appliances	Ishiguro	Tokyo Gas	JAPAN
155	TP1-5	159	Development of Advanced New Gas Kitchen Stove “Smart Konro”	Ishiki, Tatsuya	Osaka Gas	JAPAN
156	WP2-6	365	New 1,000-kW Gas Combined Heat and Power System Employing Cost Effective Technologies	Ishiwada, Naohiro	Tokyo Gas	JAPAN
157	WO5-1	68	Demonstration of Demand Response with Fuel Cell Units in a Condominium	Isshiki, Takuto	Tokyo Gas	JAPAN
158	WP1-22	302	Development to improve energy efficiency of floor heating systems with thermal comfort	Ito, Daigo	Toho Gas	JAPAN
159	TP3-13	639	Infrared Leak Detection Systems at Product Pipelines	Ivanov, Sergey	Gazprom Dobycha Orenburg	RUSSIA
160	WP1-17	426	Development of a residential combined heat and power system using solid oxide fuel cells	Iwami, Jun	Osaka Gas	JAPAN
161	WP1-23	366	Developing a Method for Evaluating the Product Life of Rubber Components Used in Gas Equipment	Iwasaki, Shintaro	Osaka Gas	JAPAN
162	WP4-13	38	Sweeping Gas Reduction in Flare Network	Jahangir, Mohammadamin	South Pars Gas Company	IRAN
163	WP4-33	370	Using Coldfinger Technology in Dehydration Unit: A Case Study in South Pars Gas Refinery in Iran	Jahromi, A. Mohammad K.	Shiraz university	IRAN
164	TO8-3	694	The evaluative methods on shale gas productivity using the DFIT	Jang, Sang-Yup	Korea Gas Corporation	SOUTH-KOREA
165	FO3-2	382	Polyamide (PA11 and PA12) Use in High Pressure Natural Gas Distribution Systems – Installations and Performance Review	Jarnecke, Dennis	Gas Technology Institute	USA
166	WP3-24	528	Pipe splitting – technology evaluations, enhancements and standardization of tools	Jarnecke, Dennis	Gas Technology Institute	USA

167	TO3-3	326	A Cost Saving Strategy for Installing and Maintaining Gas Facilities	Jarnecke, Dennis/Pollock, Marshall	Gas Technology Institute	USA
168	TP5-22	536	Use of biogas for production of town gas.	Jeppesen, Jørgen Steen	HOFOR	DENMARK
169	TP4-17	106	Fluid Detection in Tight Gas Sand from the Seismic Data	Jiang, Ren	CNPC Research Institute of Petroleum Exploration & Development—Langfang	CHINA
170	TP5-24	565	Ambient-Temperature Electrochemical Process to Produce Methanol from Methane	Johnston, Edward	Gas Technology Institute	USA
171	WP5-42	646	Challenges for introducing upgraded biogas (biomethane) to the existing Danish natural gas grid	Jørgensen, Betina	Danish Gas Technology Centre	DENMARK
172	WP5-39	552	Methane emission from Danish biogas plants – Developing a method for identification and quantification of methane losses	Jørgensen, Lars	Danish Gas Technology Centre	DENMARK
173	TP4-5	309	Thermal evolution of Timimoun and Berkine basins (Algeria): comparison and impact on the shales and the organic matter evolutions	Kadi, Belkacem	Sonatrach	ALGERIA
174	TO2-2	378	For industrial heating furnaces, the recuperative-burner which contains the efficient heat exchanger and contributes to large energy saving and low NOx has been developed.	Kamitani, Kazuaki	Osaka Gas	JAPAN
175	WP5-11	149	The detection of odorant in town gas by portable GC using semiconductor sensor as its detector	Kanda, Tetsuro	New Cosmos Electric Co.	JAPAN
176	TP3-6	10	Autonomic energy supply distribution networks with low pressure gas expansion engines	Karasevich, Vladislav	Gazprom Promgaz	RUSSIA
177	TP2-2	191	Bio and natural gas use to micronize grain by applying infra-red heating system with heat capacity of 300 kW	Karasevich, Vladislav	Engprogroup	RUSSIA
178	TP5-26	595	Biogas as an Alternative Gas Supply Source for Independent Consumers in Russia	Karasevich, Vladislav	OJSC "Gazprom promgaz"	RUSSIA
179	TW2-4	599	Prospects for Green Gas Production in the Russian Federation and its Potential Export to the European Union	Karasevich, Vladislav	OJSC Gazprom promgaz	RUSSIA
180	WP1-10	154	A Demonstration Project of a Smart Energy House in an Apartment Block	Kawagoe, Yusuke	Toho Gas	JAPAN
181	WP3-9	141	Development of the ultra high-speed cutter for steel and cast iron pipes	Kawamura, Takeo	Keiyo Gas	JAPAN
182	WP3-20	135	Numerical Analysis on Pressure Oscillation and Attenuation Process inside Pipelines to Achieve Early Gas Supply Recovery	Kawasaki, Jumpei	Tokyo Gas	JAPAN
183	WP4-37	543	Cost Effective Technologies to harness hydrocarbon gas supply from high Carbon Dioxide Field	Kayat, Zainab	PETRONAS	MALAYSIA
184	TP5-54	550	Fit of Tangibilization and its Effect on Organizational Performance: An Empirical Study on the Natural Gas Industry	Khang, Jeong Wook	Korea Gas Corporation	SOUTH-KOREA
185	WP2-10	410	The high efficiency air separation technology "HIGH TEMPERATURE PRESSURE SWING ADSORPTION" for oxy-fuel combustion	Kikuchi, Kenta	Tokyo Gas	JAPAN
186	TO1-3	395	Current status of commercialization for small scale stationary fuel cell systems in Korea	Kim, Bonggyo	Korea Gas Corporation	SOUTH-KOREA
187	TP1-9	247	Development of 5Nm ³ /hr of steam reformer for PEMFC and the experimental and numerical evaluation for the performance of it	Kim, Bonggyu	KOGAS	SOUTH-KOREA
188	TP3-38	690	A Study on Fatigue Characteristics of API 5L X42 Gas Pipe Lines	Kim, Joonho	Korea Gas	SOUTH-KOREA
189	WP3-34	613	Process Diagnosis of LNG Regasification Terminal Pipeline	Kim, Seong Soon	Korea Gas Corporation	SOUTH-KOREA
190	WP3-16	601	Limitation of detection range in guided wave testing of buried pipeline	Kim, YoungGeun	KOGAS	SOUTH-KOREA
191	TP5-30	647	Technology Transfer from Natural Gas to Other Compressible Fluids	Kimpton, Sarah	DNV GL	UNITED KINGDOM
192	TP4-3	55	Control over well construction and repair quality by identification of produced fluid and gas genesis	Kirsanov, Sergey	Gazprom dobycha Yamburg LLC	RUSSIA
193	WP3-37	231	Studies of the effect of ground settlement on the buried pipe including a part passing through the building wall	Kitano, Tetsuji / Fujita, Shusuke	Nagoya University / Nippon Steel & Sumikin Pipeline & Engineering	JAPAN
194	WP3-33	461	Development of Truck-Mount Compressor for Reducing Medium Pressure "ECOPURGE"	Kitaoka, Toshimichi	Osaka Gas	JAPAN
195	WP3-38	233	Analysis of a noise and vibration in the pipe near PIG Launcher	Koh, Jaepil	Korea gas corporation	SOUTH-KOREA
196	WP4-27	618	Economic Mechanisms of Coal Bed Methane Development for Safe and Clean Energy	Koshelets, Alexey	Gazprom	RUSSIA
197	TO2-3	650	NOx emission for European gas turbine line and storage compressors	Kristensen, Per	Danish Gas Technology Centre	DENMARK
198	WO7-1	615	The development and implementation of a real time pig tracking system	Krouwel, Jelle	N.V. Nederlandse Gasunie	NETHERLANDS
199	TP5-6	155	Ceramic-supported Pd Membrane Module for On-site Hydrogen Production from Natural Gas	Kume, Takao	Tokyo Gas	JAPAN
200	WP2-2	368	Development of a technology to render incineration ash harmless using the exhaust gas of gas engines.	Kunimatsu, Shunsuke	Osaka Gas	JAPAN
201	TO2-1	464	Environmental optimisation of gas fired engines	Kvist, Torben	Danish Gas Technology Centre	DENMARK
202	TP2-18	397	New feed forward control for heater gas consumption	Lahouari, Seddiki	Sonatrach	ALGERIA
203	WO7-3	206	Threat detection to pipelines using an automated aerial surveillance system	Lana, Jose A.	Enagas	SPAIN
204	WW3-3	519	Replacement of buried pipelines without excavation, is it possible?	Langdale, Simon	Synthotech	UNITED KINGDOM
205	WP2-18	711	Is Natural Gas finally Accelerating as a Transportation Fuel?	Leclercq, Nadège	Westport	FRANCE
206	WW2-1	711	Is Natural Gas finally Accelerating as a Transportation Fuel?	Leclercq, Nadège	Westport	FRANCE
207	TP5-47	586	A Study on Re-liquefaction Processes of Boil-off Gas of a LCO ₂ Transfer Ship	Lee, Yeongbeom	Korea Gas Corporation	SOUTH-KOREA
208	TP5-25	587	The Status of the Technical Development of Hydrogen Refueling Station in Korea	Lee, Youngchul	Korea Gas Co.	SOUTH-KOREA
209	FO1-2	215	Impact of Changing Natural Gas Qualities on Industrial Combustion Processes	Leicher, Jörg	Gas- und Wärme-Institut Essen	GERMANY
210	FO1-3	517	LNG interchangeability - residential field studies and sensitive industrial burner tests	Leslie, Neil	Gas Technology Institute	USA
211	TP1-11	578	Primary Energy and Environmental Benefits of Natural Gas Direct Use in Buildings	Leslie, Neil	Gas Technology Institute	USA
212	TP4-19	115	New understanding of tight sandstone gas resource and the future development potential in China	Li, Jun	CNPC Research Institute of Petroleum Exploration & Development—Langfang	CHINA
213	WP1-4	532	Gas Quality Sensor for Real Time Monitoring of Composition and Heating Value of Natural and Renewable Gas	Liss, William E.	Gas Technology Institute	USA
214	TP4-20	116	Resources potential and development prospect of large-area low permeability sandstone gas in Ordos basin	Liu, Ruie	CNPC Research Institute of Petroleum Exploration & Development—Langfang	CHINA
215	TP3-40	704	A numerical method to integrate the steady-state non-isothermal flow model of natural gas transmission in pipes	López Benito	Universidad Politécnica de Madrid	SPAIN
216	WO8-3	576	Feasibility of Creating Underground Gas Storage in Frame Gas Development of The Bolivarian Republic of Venezuela.	López, Yilsa	Petróleos de Venezuela	VENEZUELA
217	TW4-4	789	Inorganic membranes for gas purification	Lubnau, Udo	DBI Gas- und Umwelttechnik	GERMANY
218	TP4-16	105	An analysis of influential factors to the development of tight gas sands by multi-stage fractured horizontal wells -- Case study from Sulige gas field, Ordos	Luo, Ruilan	CNPC Research Institute of Petroleum Exploration & Development—Langfang	CHINA
219	TO4-1	87	Glycols in natural gas - experiments, modelling and tracking	Machado Miguens and Andrea Carolina	Statoil	NORWAY
220	TP3-28	538	An innovative mechanism including a novel hardware and new software to improve the radiographic interpretation process in the gas industry	Makarem, Mostafa	Nahamin pardazan asia	IRAN
221	TP3-21	710	Emission change potential of Finnish sea traffic in Baltic Sea in transferring to use LNG	Manninen, Kaisa	Finnish Environment Institute	FINLAND
222	WP4-28	658	Subsea trees installation in dragon field mariscal sucre project, phase i	Marin, Emerson	PDVSA	VENEZUELA
223	TP5-17	425	Energy Transition as the driver for Innovation – EnTranCe: the Living Lab for Innovation	Martinus, Gerard	GasTerra	NETHERLANDS
224	TP3-42	774	Sulfur deposition in gas transmission pipelines	Masmoudi, Adnene	STEG	TUNESIA
225	WP5-41	627	Innovative Technologies for Reducing Environmental Footprint	Mazanov, Sergey	Gazprom Dobycha Urengoy	RUSSIA
226	WP5-2	129	Development of the Next Generation Gas Leak Tester	Mine, Shota	Tokyo Gas	JAPAN
227	TP2-8	334	Simultaneous hydrogen and gasoline production via coupling of Fischer-Tropsch synthesis and decalin dehydrogenation reactions in GTL technology	Mirvakili, Azadeh	Shiraz university	IRAN

228	TP2-17	336	Enhancement of gasoline production in fixed bed reactor via using Nanofluid coolant for Fischer-Tropsch synthesis of GTL (gas to liquid) technology	Mirvakili, Azadeh	Shiraz university	IRAN
229	WP5-17	529	Dicker of electricity and gas ,power market,Congestion Management,Gencos,Independent Power Producer,Discos,Independent System Operator,Power Exchanger,Schedule Coordinator	Modaber, Jalil	Islamic Azad University (Ahar Branch)	IRAN
230	TP3-5	18	A Comprehensive Neural Network Model for Predicting Two-Phase liquid Holdup under Various Angles of Pipe Inclinations	Mohamadi, Majid	SGPC - NIGC	IRAN
231	TP2-9	367	The mitigation of Gas Flaring and Air Contamination in South Pars Gas Processing Plants: (A Case Study)	Mohammadi, S. Aboulhassan	Shiraz university	IRAN
232	TP4-1	329	The kinetics of the dissolution of dolomite in acid and mixture of acid with novel retarding agents for acidizing of gas wells	Montaseri, Ali	Shiraz university	IRAN
233	WP5-34	495	A capacity management and monitoring system for optimising renewable energy and sustainability challenges in the gas distribution grids.	Mooij, Ruud	Alliander	NETHERLANDS
234	WP1-6	161	Three-dimensional numerical simulations of heat and mass transfer and degradation in a SOFC cell stack	Mori, Tetsuya	Osaka Gas	JAPAN
235	FO2-2	134	Development of a Highly Efficient Immersion Burner for Aluminum Holding Furnaces	Moriyama, Tatsuya	Toho Gas	JAPAN
236	TP3-31	619	European Gas Flow (EGF) Model	Morozov, Sergey	Niigazekonomika	RUSSIA
237	WP1-20	243	Challenges of the upcoming German gas market conversion: contribution of LNG use for the low calorific gas network's safe and sustainable operation	Mozgovoy	Gas- und Wärme-Institut Essen	GERMANY
238	TP4-15	577	The research of gas-liquid two-phase flow in gas wells producing water	Mu, Lin	Petroleum Exploration and Production Institute of Sinopec	CHINA
239	WP5-43	654	Morphological based mechanism for adsorption of Hg from natural gas using solid supported ionic liquids	Mutalib, Ibrahim Abdul	Universiti Teknologi PETRONAS	MALAYSIA
240	WW4-3	297	Establishing a pan-European understanding of admissible hydrogen concentrations in the natural gas system	Müller-Syring, Gert	Gas- und Umwelttechnik GmbH	GERMANY
241	TW2-3	568	Dynamic pressure control in gas grids for better integration of green gases – a potential analysis in the North of Germany	Müller-Syring, Gert	Gas- und Umwelttechnik	GERMANY
242	TP3-2	94	Development of a transient network simulation to determine the temporal and local linepack	Münch, Kevin	RWTH Aachen/IAEW	GERMANY
243	TP3-22	15	Radiography Image Contrast Enhancement Using Genetic Algorithm	Nabiuni, Somaye	Gas, Arak	IRAN
244	WP5-35	277	Natural Gas Odorant Production from Sour Condensate - Increasing Added Value & Decreasing Environmental Problems	Naderi, Fahime	Research Institute of Petroleum Industry	IRAN
245	WP2-1	91	Demonstration of Toyota Ecoful Town Hydrogen Refueling Station	Nagai, Kohki	Toho Gas	JAPAN
246	TP5-39	401	The development of the wireless communication technology for the smart gas meter	Nagayama, Reina	Tokyo Gas	JAPAN
247	WP1-5	156	Gas producing operation at LNG receiving terminals by using mathematical science and operations research methodologies	Nakai, Yohei	Tokyo Gas	JAPAN
248	TP5-13	376	Development of "compact biogas system" to generate biogas from garbage on-site.	Nakamoto, Manabu	Osaka Gas	JAPAN
249	WP2-8	160	Improved Competitiveness of 1,000 kW class CHP systems	Nakayama, Shota	Osaka Gas	JAPAN
250	WP1-8	113	Development of a Pre-chamber Spark Plug for GHP	Narita, Masahiko	Toho Gas	JAPAN
251	TP5-10	316	Detection of hydrocarbons in natural gas using chemical gas sensor based on metal oxide nanoparticles	Nematollahi	University of Tehran	IRAN
252	WO7-2	805	Remote Monitoring of Pipeline and Coating Integrity	Nielsen, Lars Vendelbo	MetriCorr	DENMARK
253	WP3-6	145	Estimation of Corrosion Protection Condition on Buried Steel Pipeline under Cathodic Protection with IR-free Probe	Nishikawa, Akinobu	Osaka Gas	JAPAN
254	TO5-1	108	Experience with the Injection of Hydrogen into a Grown Natural Gas Distribution Grid	Nitschke-Kowsky, Petra	E.ON New Build & Technology	GERMANY
255	TP1-17	458	Heatcore is launching an ultra-compact and fuel flexible catalytic primary heat exchanger for gas boilers	Nobel, Peter	HeatCore	SWEDEN
256	WP1-25	381	Durability of O-ring rubber seals to hot water containing residual chlorine for appliances	Numata, Kaori	Tokyo Gas	JAPAN
257	WP4-44	549	Virtual Reality Tool for Gas Effectiveness	Naar, Naar	Sonatrach	ALGERIA
258	TP5-44	387	Effect of the installation of natural-gas fuel-based on-site technologies on grid power in terms of investment and operation costs	Ogawa, Daisuke	Tokyo Gas	JAPAN
259	WP2-13	148	Development of Toho Gas's SOFC Cells for Durability Improvement	Ogura, Yusuke	Toho Gas	JAPAN
260	TW3-1	600	Development of small scale LNG fueling station for Yard Tractor	Oh, Youngsam	Korea Gas Corporation	SOUTH-KOREA
261	TP1-6	144	Development of Desulfurization Adsorbent for City Gas for Residential PEFC Cogeneration System	Ohashi, Masafumi	Tokyo Gas	JAPAN
262	WP2-11	52	Gas & electricity combination heating for reducing electric demand.	Ohashi, Toshiyuki	Osaka Gas	JAPAN
263	TP1-18	80	Development of "SOLAMO", the gas hot water system with combined use of solar heat for condominiums	Ohishi, Masato	Tokyo Gas	JAPAN
264	TP3-26	434	Rationalization of construction by employing slipforming to prestressed concrete outer tank for LNG storage	Ohnishi, Shunsuke	Osaka Gas	JAPAN
265	TP5-15	415	Development of the new ultrasonic smart gas meter for domestic customers	Oowaku, Takashi	Tokyo Gas	JAPAN
266	TP4-21	756	Meteorological and oceanographic characterization for design of offshore production facilities. mariscal sucre project (pms). north paria – venezuela.	Ortega, Jose	Petroleos de Venezuela SA	VENEZUELA
267	WP5-26	207	Removal of Oxygen from Biogas via Catalytic Oxidation of Methane	Ortloff, Felix	DVGW Research Center at EBI	GERMANY
268	TP5-52	400	Thermophilic Anaerobic Co-digestion of Coffee Grounds and Food Biomass	Oshibe, Hiroshi	Tokyo Gas	JAPAN
269	TO8-2	585	Shale Gas reservoirs characterization using neural network	Ouadfeul, Sid-Ali	Algerian Petroleum Institute	ALGERIA
270	TP4-10	592	Sweet spots discrimination in shale gas reservoirs using seismic and well-logs data. A case study from the Worth basin in the Barnett shale	Ouadfeul, Sid-Ali	Algerian Petroleum Institute	ALGERIA
271	TP5-27	614	Production of Bio-Methane from woody biomass using the MILENA gasification technology	Overwijk, Mark	Energy research Centre of the Netherlands	NETHERLANDS
272	TO6-3	526	Trigeneration scheme for energy efficiency enhancement in a Gas Compressor Station through turbine exhaust gas waste heat utilization	Parhoodeh, Masoud	Iranian National Gas Company	IRAN
273	TP2-11	660	Computational Fluid Dynamics modeling of combustion in an industrial reaction furnace and study of tube failure in this process	Parvareh, Arsalan/Lotfollah Jafari	Razi University/Illam Gas Treating Company	IRAN
274	WO2-2	733	Towards green gases solutions for industry	Perrin, Marc	GDF SUEZ	FRANCE
275	TP3-33	716	Facilitating LNG Application in Landlocked Europe: An Overview of Potentials and Challenges	Pfoser, Sarah	University of Applied Sciences Upper Austria	AUSTRIA
276	WP5-9	65	The olfactory of odorised biomethane: a novel approach	Polman, Erik	Kiwa Technology	NETHERLANDS
277	WP5-21	732	Gas-Fired Cogeneration and District Heating in Belgium: barriers and opportunities	Poncelet, Kris	Kuleuven,	BELGIUM
278	WP5-32	489	How energy efficiency policies and building stock refurbishment dynamics impact energy consumption? Construction of a prospective tool allowing the simulation of long term trends	Promelle, Juliette	GDF SUEZ	FRANCE
279	WO1-2	715	A gas absorption heat pump for existing houses heat4u development until the field tests phase	Promelle, Juliette	GDF SUEZ	FRANCE
280	TP1-3	810	New gas solutions and renewable energies coupling for sustainable residential buildings in france	Promelle, Juliette	GDF SUEZ	FRANCE
281	TP1-25	812	Micro cogeneration systems using natural gas : Towards a smart solution ?	Promelle, Juliette	GDF SUEZ	FRANCE
282	WP5-10	92	Two methods for measuring large volume of LNG: Ultrasonic Flow Meters vs. Custody Transfer Handbook	Rabinal, Concepción	Enagás	SPAIN
283	WP4-9	653	Installation and Technological Procedure for Neutralizing (Breaking) Foaming Fluids Mixtures Withdrawn in the Production Gas Wells	Radu, Gheorghe	SNGN ROMGAZ SA	ROMANIA
284	WP5-24	180	Green Gas on the Move in Sweden	Ragnar, Martin	Swedish Gas Technology Centre (SGC),	SWEDEN
285	WO3-2	54	Liquefied Biogas – an efficient way to reduce dependency on diesel	Ragnar, Martin / Gunnarsson, Ingemar	SGC / Göteborg Energi	SWEDEN
286	TO4-2	347	Performance improvement of natural gas dehydration process to prevent hydrate formation and enhance NGL production by optimization of operating conditions	Rahimpour, M.R.	Shiraz university	IRAN
287	WP4-40	757	Opportunity and Challenges: Hybrid AGRU System for Ultra-high CO2 Gas Field Offshore	Rahman, Fadhli Hadana	PETRONAS Research	MALAYSIA

288	TP1-22	579	An Overview of Utilization Efficiency Codes and Standards in the United States and Their Potential Impact on the Growth of the Natural Gas Market	Ranfone, Jim	AGA	USA
289	WP1-13	701	Tools for adjustment of gas appliances to new gas quality	Rasmussen, Niels Bjarne	DGC	DENMARK
290	FO3-3	162	Economical and technical evaluation of PE100 pipes used in natural gas distribution systems	Ribeiro, Paulo & Akiyama, Junichi	Petrobras Distribuidora & Mitsui Gas	BRAZIL
291	WP3-35	189	TGS - Stress Corrosion Cracking Mitigation Plan	Rio, Sergio	TGS	ARGENTINA
292	TP5-12	361	The Integration of the European Natural Gas Market	Robaszewski, Andrzej	Gaz-System	POLAND
293	WP5-13	261	Soil gas analysis and helium fluxes to trace leak paths at ugs diadema – argentina.	Rodriguez, Juan	YPF, Argentine	ARGENTINA
294	WP3-12	438	Non Destructive Testing of PE joints	Roelofs, Bart	Liandon	NETHERLANDS
295	WP4-15	719	Design and Construction Tool Wear protective extraction wellhead Bushing in DR-5A Mariscal Sucre Dragon Field Project.	Rollinson, Jose	PDVSA	VENEZUELA
296	TP5-37	258	Electric power, HVDC from land to off-shore structures utilizing sea-electrodes for return current, concerns and precautions with regard to environment and corrosion.	Rosenberg, Henrik	Balslev Consulting Engineers A/S	DENMARK
297	FO2-1	399	Factors controlling condensed phase emissions from gas engine fired combined heat and power plant (CHP) – a field study	Rosenørn, Thomas	FORCE Technology	DENMARK
298	TO3-2	428	Optimizing linepack usage and intraday operations of a gas transmission network using transient optimization of flows and pressures, a new approach on GRTgaz network	Rossi, Baptiste	GDF SUEZ	FRANCE
299	WP5-33	493	The Avedøre Project – How to find renewable biogas sources and integrate them in the gas grid by upgrading and methanization with new technologies.	Rousing, Henrik	HMN Gashandel	DENMARK
300	WO6-1	493	The Avedøre Project – How to find renewable biogas sources and integrate them in the gas grid by upgrading and methanization with new technologies.	Rousing, Henrik/Thornberg, Dines	HMN Gashandel/Biofos	DENMARK
301	TP5-18	620	Improving Fluid Filtration to Saline Reservoir Rocks	Ryzhov, Aleksey	Gazprom	RUSSIA
302	WP4-36	450	Feasibility study about adding DSO to Hydrocarbon Condensate	Saberi, Amir	SPGC, Shiraz University	IRAN
303	TP3-18	249	Experimental and numerical analysis of pig movement with bypass in natural gas pipeline	Saei, Hasan	Gas transmission operating district	IRAN
304	TP3-19	289	Semantic Cyber Security for Semantic Intelligent (SCADA/DCS): Application in modern gas industry	Sahli, Nabil	GRTG Sonelgaz Group AIG Association	ALGERIA
305	WP4-4	350	Prediction of monoethanolamine (MEA) circulation rate in gas sweetening plants using artificial neural network	Saidi, Majid	Shiraz university	IRAN
306	WP4-5	351	Improvement of natural gas dehydration unit performance by application of Drizo process to decrease the emission rate of BTEX	Saidi, Majid	Shiraz university	IRAN
307	WP5-30	423	Development of Biogas Upgrading System with Membrane Separators	Saito, Asami	Tokyo Gas	JAPAN
308	WP1-9	132	Development of Blackout start Gas Heat Pump air conditioner	Sakai, Toshinari	Osaka Gas	JAPAN
309	TP5-35	153	Predicting National Gas Consumption in Iran using a Hierarchical Combination of Neural Networks and Genetic Algorithms	Salehi, Maryam	National Iranian Gas Company	IRAN
310	WP4-43	23	Measurement and prediction of condensate gas hydrates formation conditions. a study case	Samer, Said	University of Batna Algeria	ALGERIA
311	WO2-3	323	Dry Reforming-Fischer-Tropsch Synthesis-Catalytic Dehydrogenation: A method to No flaring-No CO2 emission in the Gas Refinery	Sarkari, Majid	South Pars Gas Complex Company	IRAN
312	WO5-3	254	Next-generation household energy system demonstration at NEXT21 Experimental Multi-Unit Housing Complex	Sasakura, Hiroyuki	Osaka Gas	JAPAN
313	WP1-11	385	Development of fault diagnosis logic for fuel cell systems based on data analytics	Sato, Yuki	Osaka Gas	JAPAN
314	TO5-2	567	The influence of Power-to-Gas on natural gas quality & applications	Schaffert, Johannes	Gas- und Wärme-Institut Essen	GERMANY
315	TW1-2	109	Scientifically supported operation of 100 micro-CHP systems in a representative district of the German agglomeration „Ruhrgebiet“: experiences, issues and results	Schaffert, Johannes	Gas- und Wärme-Institut Essen	GERMANY
316	TP1-10	573	Transient Simulations of Residential Buildings in Interaction with Combined Heat and Power Gas Technology	Schaffert, Johannes	Gas- und Wärme-Institut Essen e.V.	GERMANY
317	WO8-1	814	The function of salt cavern storages in the framework of national and european energy supply – by example of the etzel cavern storage	Schweinsberg, Hans Joachim	IVG Caverns GmbH – Kavernenanlage Etzel	GERMANY
318	TW1-1	665	Do we need new gas technologies for the domestic and small commercial space heating market?	Schweitzer, Jean & Persson, Per	DGC/HMN Naturgas	DENMARK
319	WO5-2	667	Domestic gas hybrid technologies and their interaction with the Danish energy system	Schweitzer, Jean/Frederiksen, Karsten	Danish Gas Technology Centre	DENMARK
320	TP1-8	666	Survey of the in-situ NOx emissions from the boilers and burners on the Danish market. Trends and evolution.	Schweitzer, Jean/Kristensen, Per G.	Danish Gas Technology Centre	DENMARK
321	WP4-38	622	Feasibility study of Carbon dioxide Sequestration and Underground Gas Storage Combination	Sedaei	Institute of Petroleum Engineering	IRAN
322	TP5-19	809	New exploratory gas opportunities in the roblote area, anaco district, eastern venezuela.	Seijas, Zenia/Montoya, Gladys Mar	Petroleum of Venezuelan Company s.a (PDVSA)	VENEZUELA
323	WW3-4	416	Analytical method for seismic performance of gas distribution pipelines renovated by the hose lining method	Seko, Yusuke	Tokyo Gas	JAPAN
324	TP5-60	813	Who will operate the Smart Grid ?	Seralioglu, Said Murad S.	IGDAS	TURKEY
325	TP2-12	695	Investigation on the pressure drop during flow boiling of liquid natural gas in a vertical micro-fin tube	Shi, Yumei	Shanghai Jiaotong University	CHINA
326	WP2-5	151	The Development and Introduction Examples of the High-efficiency Single-ended Radiant Tube Burner SRTN Series	Shimizu, Seiya	Toho Gas	JAPAN
327	WP5-22	143	Development of Compact Hydrogen Generator for On-site Hydrogen Filling Station	Shimizu, Tsubasa	Osaka Gas	JAPAN
328	WP4-8	602	Methanation of Light Hydrocarbons Mixture as Marketable Gas Production Method	Shurupov, Sergey	OJSC "Gazprom promgaz"	RUSSIA
329	WP3-23	453	Progress toward Commercialisation of EGPT: A New Technique for Realising Carbon-Free Energy Regeneration and CO2 Savings at Pressure Letdown Stations	Sikora, Paul	EcoCute Ltd	IRELAND
330	WO4-4	209	PhaseOpt – Online tool for hydrocarbon dew point monitoring	Skouras, Efstathios	Statoil	NORWAY
331	TP1-13	97	Experimental Investigation of a Solar-Gas Driven HVAC System for Temperate Climate	Speerforck, Arne	Hamburg University of Technology	GERMANY
332	WW2-2	542	Development of an Inexpensive Free Piston Linear Motor Compressor for Home Refueling	Stair, Jason	Gas Technology Institute	USA
333	WW4-1	77	Metering of gas flows in power to gas plants	Steiner, Klaus	E.ON New Build & Technology	GERMANY
334	TP3-17	246	Development of a European gas flow model based on open source data	Steringa, Jarig	N.V. Nederlandse Gasunie	NETHERLANDS
335	WP5-36	419	The development of gas smart metering system	Suzawa, Kentaro	Tokyo Gas	JAPAN
336	TP1-7	364	Developing networking functions for Ene-Farm residential fuel cell cogeneration systems	Suzuki, Satoshi	Osaka Gas	JAPAN
337	WP2-12	63	Electric power supply engineering for gas engine cogeneration system operation during a power outage	Tadokoro, Masayuki	Tokyo Gas	JAPAN
338	WP1-2	121	Development of Residential Gas Engine CHP System "COREMO" Optimized for Cold Regions and Its Evaluation on Environmental Performance	Takeda, Kiyotaka	Hokkaido Gas	JAPAN
339	WP3-18	83	Stability Evaluation of Gas Pressure Regulator by Frequency Response Test	Takeuchi, Tomoaki	Tokyo gas	JAPAN
340	WP4-14	49	Technologies for Upgrading of Carbon Dioxide-Rich Natural Gases: Challenges and Recent Advances	Takht Ravanchi, Maryam	Petrochemical Research and Technology Co.	IRAN
341	WP1-12	563	Development of water treatment technology for residential fuel cell system	Taku, Shumpei	Tokyo Gas	JAPAN
342	WP2-4	408	Chemical Kinetics Study on Ignition Characteristics of Natural-Gas Components: Fuel Design Concept for Robust Ignition in Compression Ignition Engines	Tanaka, Hiroki	Osaka Gas	JAPAN

343	WP4-19	104	Application of NPI Decline to Gas-injection Transient Analysis	Tang, Ligen	CNPC Research Institute of Petroleum Exploration & Development—Langfang	CHINA
344	TP5-34	56	Iranian Natural Gas Outlook	Teimouri Yadkuri, Ali	Natural Gas Storage Company(NGSC)	IRAN
345	TW3-5	815	Vos Logistics' experience with LNG in road transport	Timmermans, Annemarie	Vos Logistics	NETHERLANDS
346	TP1-2	702	Retrofitting of historical buildings: opportunities and solutions by the gahp technology (absorption heat pumps powered by natural gas renewable energy)	Tischer, Luigi	Robur Spa	ITALY
347	WP3-26	642	Innovative On-Line Monitoring Technologies for Main Gas Pipelines in Landslide Areas	Tkachenko, Igor	Gazprom Transgaz Krasnodar	RUSSIA
348	TP1-16	534	Cooking Research on Deliciousness and Healthiness: Texture analysis on cooked rice using SEM images and Anti-oxidant capacity of roasted vegetables	Tomita, Haruo	Osaka Gas	JAPAN
349	TP1-19	398	Development of Business-oriented Dining Table Gas Cooktop "Full Flat Conro (Gas Cooktop)"	Toshinari, Sakai	Osaka Gas	JAPAN
350	WP4-1	624	Experimental Justification for Selecting Hydrocarbons Displacement Agents when Developing Oil and Gas Condensate Fields in Eastern Siberia	Troitsky, Vladimir	Gazprom VNIIGAZ	RUSSIA
351	TP3-24	471	Decision-making support to optimise maintenance of the GRTgaz natural gas compressor stations through the use of feedback and Petri net modelling	Turc, Olivier	GDF SUEZ	FRANCE
352	WP3-32	472	Evaluation of the predictive reliability of natural gas distribution main lines within the framework of the GrDF investments prioritisation strategy	Turc, Olivier	GDF SUEZ	FRANCE
353	WP1-15	147	A Hot-Water-Type Desiccant Ventilator Having Cool Air Supply and Dehumidification/Humidification Functions	Ueda, Kentaro	Osaka Gas	JAPAN
354	TP5-49	788	Asset Integrity Management: A roadmap to asset rejuvenation	Ukpohor, Excel	Nigeria LNG Limited	NIGERIA
355	TP4-12	713	Geohazards in the Seabed of Mejillones and Rio Caribe Gas Fields. Proyecto Mariscal Sucre. Norte de Paria – Venezuela.	Valencia, Andres	Petroleos de Venezuela SA	VENEZUELA
356	WP4-2	681	Interpretation of Tectonosequence in a Structural High Containing Gas Fields in the Carupano Basin, Offshore Northeastern Venezuela	Valencia, Yoryi	PDVSA	VENEZUELA
357	WW1-5	73	Public Acceptance of Natural Gas Projects and Innovations.	Van der Velden, Hansch	N.V. Nederlandse Gasunie	NETHERLANDS
358	WP1-14	703	Effects of silica deposition on the performance of domestic equipment in the Netherlands	Van Essen, Martijn & Visser, Pieter	DNV GL	NETHERLANDS
359	TP1-24	712	Next Generation Knock Characterization	Van Essen, Vincent Martijn	DNV GL Oil & Gas	NETHERLANDS
360	TP5-36	235	EnTranCe - the Energy Transition Centre serving the need for human capital	Van Gemert, Wim	Hanze University of Applied Science Groningen	NETHERLANDS
361	WP5-15	407	Development of a micro-TCD-gas chromatography method to measure mercaptans in biomethane and natural gas	Vatin, Alice	GDF SUEZ - CRIGEN	FRANCE
362	WP3-5	452	Can we make safety (or its absence) predictable?	Veenstra, Tjerk	Gasunie	NETHERLANDS
363	TP3-43	785	Design of a support system for pipeline and equipment subsea in Dragon field	Velasquez, Miguel	PDVSA	VENEZUELA
364	WP4-31	786	Subsea equipment installation using the global 1200 vessel in the dragon field. gran mariscal sucre proyect, phase i	Velazco, Luz	Petroleos de Venezuela	VENEZUELA
365	WP3-39	288	Maintenance Strategy Selection Theory & Practices in Natural Gas Industry: A Case Study of an Indian gas utility company	Velmurugan, Rama Srinivasan	GAIL India Limited	INDIA
366	TP1-23	705	Development of a predictive method to analyze the effect of "new" gases on soot formation based on Laser-Induced Incandescence measurements	Visser	DNV GL	NETHERLANDS
367	TP3-25	356	A higher safety level and lower methane emissions with condition based replacement of gas service connections	Vogelzang, Bart	Liander	NETHERLANDS
368	WW3-1	140	Development of Tokkless Method (The method to eliminate unnecessary electrofusion(EF) tapping tees)	Wada, Hiroyuki	Keiyo Gas	JAPAN
369	WP1-1	150	Development of building energy management system for gas and electric appliance	Wada, Yusuke	Tokyo Gas	JAPAN
370	WP5-3	131	Development of a real-time LNG calorimeter using a coriolis meter	Wadama, Nobuhiro	Osaka Gas	JAPAN
371	TO1-2	363	Development of residential 700W PEFC micro-CHP system	Watanabe, Shingo	Osaka Gas	JAPAN
372	TO1-1	152	Development of New Model Residential PEMFC micro-CHP Systems	Watanabe, Takayuki	Tokyo Gas	JAPAN
373	WP3-2	84	Non-destructive Testing Methods for PE Pipe Joints	Weßing, Werner	E.ON New Build & Technology	GERMANY
374	FO3-1	93	Plastic Pipes for High-pressure Systems - Technology, Practical Applications, Cost Comparison	Weßing, Werner	E.ON New Build & Technology	GERMANY
375	TO7-2	245	Development of Real-time Gas Quality Measurement	Williams, Terry	Orbital	UNITED KINGDOM
376	WP4-3	60	Installation, calibration and validation guidelines for online hydrocarbon dew point analyzers	Wolf, Markus	Open Grid Europe GmbH	GERMANY
377	WP5-46	69	Study: Worker fatigue in the Australian Gas Industry	Wood, Helen	TMS Consulting	AUSTRALIA
378	TP5-5	70	The Importance of Safety Culture in Influencing Safe Work Behaviour in the Oil and Gas Industry: a Practitioner's Perspective	Wood, Helen	TMS Consulting	AUSTRALIA
379	WP5-4	440	Technical Study of Feasibility of Using City Gas Pipelines for Hydrogen Supply Network - Contributions of Reducing Environmental impact by Hydrogen as Ultimate Clean Energy-	Yamaguchi, Yuichiro	Japan Gas Association	JAPAN
380	FO4-3	170	Highly Permeable Polymers of Intrinsic Microporosity (PIM-1)-based Flat Dense and Hollow Fiber Membranes for Gas Separation	Yong, Wai Fen	National University of Singapore	SINGAPORE
381	WP4-45	171	Gas Separation Using Cross-linkable 6FDA-based Co-polyimides Grafted with Cyclodextrins	Yong, Wai Fen	National University of Singapore	SINGAPORE
382	WP5-27	391	Application of a New Seismic Retrofit Technique to an Existing Gas Supply Facility	Yoshida, Katsutoshi / Masaaki, Nakamura	JFE Engineering Corporation	JAPAN
383	FO1-1	392	Study for the gas interchangeability of natural gas utilization equipment regarding the variation of heating value	You, Hyun Seok	Korea Gas Corporation	SOUTH-KOREA
384	TP5-41	96	Towards EUGas-26: the European Gas Assessment model for EU Directive 2008/14/EC and EU Regulation No 994/2010	Zaccarelli, Nicola	European Commission, Joint Research Centre, Institute for Energy and Transport	NETHERLANDS
385	WP5-14	362	Scenario analysis of gas crisis using the European Gas Assessment Model (EU-Gas)	Zaccarelli, Nicola	European Commission - DG-Joint Research Centre,	NETHERLANDS
386	WP3-17	14	Gas transportation pipelines network cost reduction using genetic algorithm	Zadeh Shirazi, Amin	Gas Transmission Operation District 2	IRAN
387	TP5-46	188	Natural gas leak detection by remote laser sensor	Zajkaniha, Fatemeh	Research and Technology Directorate of National Iranian Gas Company (NIGC)	IRAN
388	TP2-10	641	Fischer-Tropsch Synthesis : the effect of space velocity on the performance of alumina-supported cobalt catalyst	Zamani, Yahya	Research Institute of Petroleum Industry (RIPI)	IRAN
389	TP4-23	39	Carbon Dioxide Injection to Control Water Encroachment in Water-Drive Gas Condensate Reservoirs	Zangeneh, Hossein	Research institute of petroleum industry, Tehran	IRAN
390	WP2-7	546	Fabrication and Performance of PEBA Hybrid Membrane for the Separation of Acid Gases (H2S and CO2) from Methane	Zare, M.	National Iranian Gas Company	IRAN
391	WW1-3	117	Recent progress in natural gas and new understanding of its position in clean energy in China	Zhang, Fudong	CNPC Research Institute of Petroleum Exploration &	CHINA
392	WP2-16	482	Feasibility of flare gas Utilization to practical energy in Iran: No gas flaring	Zoghi, Somayeh	National Iranian Gas Company	IRAN