Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**ALEXANDROS VENETSANOS**
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E-mail	venets@ipta.demokritos.gr
Nationality	GREEK
Date of birth	10 JANUARY 1963
Gender	MALE

Desired employment / Occupational field

Computational Fluid Dynamics (CFD) / Hydrogen Safety / CO2 safety

Work experience

Dates	July 2001 to now
Occupation or position held	Senior Researcher from May 2010 to now Researcher from November 2006 to May 2010 Permanent Scientific personnel from July 2001 to November 2006

Main activities and responsibilities	Research on Hydrogen safety and CFD • ADREA-HF CFD code: further development, validation and applications, Areas of research and development include: discretization schemes, turbulence modelling, multi-component two-phase mixtures thermodynamics, combustion, implicit solvers, code structure optimizations, parallelization, geometrical modelling and graphical user interface • Development of GAJET integral code for gaseous release calculations from systems of interconnected compressed storage tanks, using real physical properties PhD Supervision (3 students) • Modelling of hydrogen and other buoyant gas releases in confined areas using the CFD methodology • Modelling of hydrogen and other buoyant gas releases using the CFD methodology-Emphasis on two-phase releases • Modelling of atmospheric dispersion with LES models Projects (scientific responsible of NCSR Demokritos): • HYSAFE, EC-FP6 NoE, Safety of Hydrogen as an Energy Carrier, InsHyde internal project coordinator (Small hydrogen releases inside buildings), Systematic validation of ADREA-HF code on hydrogen/helium dispersion. Application of ADREA-HF for consequence assessment of a hypothetical CGH2 refueling station (HyQRA). • HYAPPROVAL, EC-FP6 Strep, Handbook for Approval of Hydrogen Refueling Stations, Application of ADREA-HF for consequence assessment of LH2 refueling stations. • HYPER, EC-FP6 Strep, Installation Permitting Guidance for Hydrogen and Fuel Cells Stationary Applications, Systematic validation of ADREA-HF using hydrogen dispersion datasets • EIHP-2, EC FP5, European Integrated Hydrogen Project – Phase 2, Dispersion simulations of hydrogen and methane bus releases (CGH2, CNG) in urban environment, tunnel and garage, using ADREA-HF • Hydrogen bus safety analysis, Contract with ERM Hong Kong, Application of ADREA-HF for consequence assessment of CGH2 bus releases in Hong Kong • 02-PRAXE-42 Commercialization of the ADREA-HF/DELTA_B code, Greek ministry of research, Spin-Off phase A, Development of main interfaces, and business plan
Name and address of employer	Environmental Research Lab (EREL), National Center for Scientific Research (NCSR) Demokritos, 15310 Aghia Paraskevi-Attikis, Greece
Type of business or sector	Research
Dates	June 1999 to Sept 2001
Occupation or position held	Programmer
Main activities and responsibilities	Further development of the SMART code for “smart” civil engineering static calculations Development of the stand alone version for Windows and the add-on versions for AutoCad and IntelliCad (Idea/Smart) Languages applied C, C++ and Delphi
Name and address of employer	4M-VK (www.4m.gr)
Type of business or sector	Software house (SME)
Dates	September 1995 to July 2001
Occupation or position held	Research Associate
Main activities and responsibilities	Research on Hydrogen Safety, Dense gas dispersion, Urban pollution • ADREA-HF CFD code: further development, validation and applications • DISPLAY-2 shallow layer code: Further development and validation Projects • EIHP, EC FP5, European Integrated Hydrogen Project, Dispersion simulations of hydrogen car releases (CGH2 and LH2) in open space, tunnel and garage, using ADREA-HF • REVEAL, EC-FP5, Remote measurement of vehicle emissions at low cost, Dispersion simulations of the exhaust dispersion behind moving vehicles, using ADREA-HF • SMEDIS, EC-FP5, Scientific Evaluation of Dense Gas Dispersion Models, Systematic validation of ADREA-HF using the SMEDIS experimental database (propane releases, chlorine releases etc) • TMR-Return-Grant, Further development of a two dimensional shallow layer model for dense gas dispersion in obstructed irregular terrain including two phase jets (DISPLAY-2 code)

Name and address of employer	EREL, NCSR Demokritos
Type of business or sector	Research
Dates	May 1993 to May 1995
Occupation or position held	JRC Ispra Grantholder Category 30
Main activities and responsibilities	Development of a two dimensional shallow layer model for dense gas dispersion (DISPLAY-2 code)
Name and address of employer	Safety Technology Institute, Process Engineering Division, JRC Ispra
Type of business or sector	Research
Dates	March 1992 to March 1993
Occupation or position held	Military Service
Main activities and responsibilities	-
Name and address of employer	Greek Air Force
Type of business or sector	-
Dates	June 1986 to February 1992
Occupation or position held	NCSR Demokritos Grant holder from June 1986 to December 1990 Research assistant from Dec 90 to February 92
Main activities and responsibilities	Research on Mixed convection in vertical pipes using CFD
Name and address of employer	NCSR Demokritos
Type of business or sector	Research

Education and training

Dates	December 2002
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	PhD Thesis “Study of dense gas dispersion using two dimensional shallow layer models”
Name and type of organisation providing education and training	Mechanical and Aerospace Engineering Department, University of Patras, Greece
Dates	September 1986
Title of qualification awarded	Mechanical Engineering Diploma
Principal subjects/occupational skills covered	Computational aerodynamics Diploma Thesis “Aeroelastic analysis of airfoils”
Name and type of organisation providing education and training	Mechanical Engineering Department, National Technical University of Athens

Personal skills and competences

Mother tongue(s): Greek

Other language(s): English, French, Italian

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C1	C1	B2	B1	B1
Italian	C1	C1	C1	C1	C1

(*) Common European Framework of Reference for Languages

Social skills and competences: Good collaboration skills, Ability to adapt to international environments

Organisational skills and competences	Management activities within projects, Organization of several project meetings, Leading of scientific papers with many authors
Technical skills and competences	
Computer skills and competences	Languages: FORTRAN 90, C, Visual C++, Pascal, Delphi, Basic, html Environments: Windows, Unix, Linux Parallel programming: OpenMP, MPich MS Office Add-Ons for AutoCad, IntelliCad, TECPLOT
Artistic skills and competences	Piano, Guitar, Dancing
Other skills and competences	
Driving licence	Yes
Additional information	Reviewer in International Scientific Journals (e.g. Journal of Hydrogen Energy, Journal of Hazardous Materials, Atmospheric Environment, Boundary Layer Meteorology, Process Safety and Environmental Protection and others) Member of Scientific and Organizing Committee of the 2nd and 3d International Conferences of Hydrogen Safety Invited speaker in the Short Courses on Hydrogen Safety, 16th World Hydrogen Energy Conference, Lyon, France Representative of Demokritos in the "International Association of Hydrogen Safety" Greek expert in the International Energy Agency, Hydrogen Implementing Agreement, Task 19 group Member of the "Greek Hydrogen Association" Contact persons Dr. Athanasios Stubos (stubos@ipta.demokritos.gr) and Prof. John Bartzis (barztis@ipta.demokritos.gr)
Annexes	See below for scientific papers in international journals and conferences

1. Publications in International Journals

1) Bartzis, J.G., Venetsanos, A.G., Varvayanni, M., Catsaros, N., Megaritou, A. "ADREA-I : A Three Dimensional Transient Transport Code for Complex terrain and other applications", (1991) Nuclear Technology, Vol 94, pp 135-148
2) Statharas, J.C., Bartzis, J.G., Venetsanos, A.G., Würtz, J., "Prediction of Ammonia Releases using the ADREA-HF code", (1993) Process Safety Progress, 12 pp 118-122.
3) Würtz, J., Bartzis, J.G., Venetsanos, A.G., Andronopoulos, S., Statharas, J.C., Nijsing, R., "A Dense Vapour Dispersion Code Package for Applications in the Chemical and Process Industry.", (1996) Journal of Hazardous Materials 46, pp. 273-284,
4) Statharas, J.C., Venetsanos, A.G., Bartzis, J.G., Würtz, J., Schmidtchen, U., "Analysis of data from spilling experiments performed with liquid hydrogen", (2000) Journal of Hazardous Materials A77 (1-3), pp 57-75
5) Venetsanos, A.G., Bartzis, J.G., Würtz, J., Papailiou D.D., "Comparative modeling of a passive release from an L-shaped building using one, two and three-dimensional dispersion models", (2000) International Journal of Environment and Pollution, Vol 14, Nos. 1-6, pp. 324-333
6) Andronopoulos, S., Grigoriadis, D., Robins, A., Venetsanos, A.G., Rafailidis, S., Bartzis, J.G., "Three dimensional modelling of concentration fluctuations in complicated geometries", (2001) Environmental Fluid Mechanics I, pp 415-440.
7) Davakis, E., Andronopoulos, S., Vlachogiannis, D., Venetsanos, A.G., Bartzis, J.G., Nychas, S.G., "Validation of the Demokritos dispersion modelling system based on the Indianapolis experiment", (2001) International Journal of Environment and Pollution, Vol. 16, Nos 1-6, pp 88-100
8) Venetsanos, A.G., Vlachogiannis, D., Papadopoulos, A., Bartzis, J.G., Andronopoulos, S., "Studies on pollutant dispersion from moving vehicles", (2002) Water, Air and Soil Pollution: Focus, Vol 2, pp 325-337
9) Vlachogiannis, D., Rafailidis, S., Bartzis, J.G., Andronopoulos, S., Venetsanos, A.G., "Modelling of Flow and Pollution Dispersion in Different Urban Canyon Geometries", (2002) Water, Air and Soil Pollution: Focus, Vol 2, pp 405-417
10) Venetsanos, A.G., Bartzis, J.G., Würtz, J., Papailiou, D. D., "DISPLAY-2: A two-dimensional shallow layer model for dense gas dispersion including complex features", (2003) Journal of Hazardous Materials, A99, pp 111-144
11) Venetsanos, A.G., Huld, T., Adams, P., Bartzis, J.G., "Source, dispersion and combustion modeling of an accidental release of hydrogen in an urban environment", (2003) Journal of Hazardous Materials, A105, 1-25
12) Venetsanos, A.G., Bartzis, J.G., Andronopoulos, S., "One Equation Turbulence Modeling for Atmospheric and Engineering Applications", (2004) Boundary-Layer Meteorology, 113: 321-346
13) Venetsanos, A.G., Horsch, G.M., Christodoulou, G.C., 'Assessment of Turbulence Modelling of Density Currents Developing Three Dimensionally on a Slope', (2005) J. of Marine Env. Eng., Vol. 8, pp. 147-154.
14) Koutsourakis, N., Neofytou, P., Venetsanos, A.G., Bartzis, J.G., "Parametric study of the dispersion aspects in a street-canyon area", (2005) Int. J. Environ. Pollut. 25 (1-4): 155-163
15) Koutsourakis, N., Bartzis, J.G., Venetsanos, A.G., Rafailidis, S., "Computation of pollutant dispersion during an airplane take-off", (2006) Environ. Model. Softw., 21 (4): 486-493
16) Neofytou, P., Venetsanos, A.G., Vlachogiannis, D., Bartzis, J.G., Scaperdas, A., CFD simulations of the wind environment around an airport terminal building, (2006) Environ. Model. Softw., 21 (4): 520-524
17) Neofytou, P., Venetsanos, A.G., Rafailidis, S., Bartzis, J.G., "Numerical investigation of the pollution dispersion in an urban street canyon", (2006) Environ. Model. Softw., 21 (4): 525-531
18) Neofytou, P., Venetsanos, A.G., Bartzis J.G., "Wind-field and pollution-dispersion simulation in a street canyon in Helsinki with ADREA-HF code", (2006) Global Nest Journal, Vol. 8, pp. 272-276
19) Neofytou P., Haakana M., Venetsanos A., Kousa A., Bartzis J., Kukkonen J., (2007), Computational Fluid Dynamics Modelling of the Pollution Dispersion and Comparison with Measurements in a Street Canyon in Helsinki, Environmental Modeling & Assessment 2008; 13:439-448.
20) Kovalets I.V., Andronopoulos S., Venetsanos A.G., Bartzis J.G. (2007) Optimization of the numerical algorithms of the ADREA-I mesoscale prognostic meteorological model for real-time applications, Environmental Modelling & Software, 23, 96-108.
21) Venetsanos A.G., Bartzis J.G. (2007), CFD modelling of large-scale LH2 spills in open environment, Int. J. Hydrogen Energy, 32, 2171-2177.
22) Gallego E., Migoya E., Martin-Valdepenas J.M., Crespo A., Garcia J., Venetsanos A.G., Papanikolaou E., Kumar S., Studer E., Dagba Y., Jordan T., Jahn W., Oíset S., Makarov D., An Inter-comparison Exercise on the Capabilities of CFD Models to Predict Distribution and Mixing of H2 in a Closed Vessel, Int. J. Hydrogen Energy, 32, No 13, 2007, pp. 2235-2245.
23) Venetsanos A.G., Baraldi D., Adams P., Heggem P.S., Wilkening H. (2008), CFD Modelling of Hydrogen Release, Dispersion and Combustion for Automotive Scenarios, Journal of Loss Prevention in the Process Industries, 21, 162-184.
24) Venetsanos A.G., Papanikolaou E., Delichatsios M., Garcia J., Hansen O.R., Heitsch M., Huser A., Jahn W., Jordan T., Lacome J-M., Ledin H.S., Makarov D., Middha P., Studer E., Tchouvelev A.V., Teodorczyk A., Verbecke F., Van der Voort M.M., An Inter-Comparison Exercise On the Capabilities of CFD Models to Predict the Short and Long Term Distribution and Mixing of Hydrogen in a Garage, International Journal of Hydrogen Energy, Vol. 34, Issue 14, July 2009, Pages 5912-5923.
25) Baraldi D., Venetsanos A.G., Papanikolaou E., Heitsch M., Dallas V., Numerical Analysis of Release, Dispersion and Combustion of Liquid Hydrogen in a Mock-up Hydrogen Re-Fuelling Station, Journal of Loss Prevention in the Process Industries 22 (2009) 303–315
26) Venetsanos A.G., Papanikolaou E., Bartzis J.G., The ADREA-HF CFD code for consequence assessment of hydrogen applications, Int. J. Hydrogen Energy 35 (2010) 3908–3918

27) Venetsanos A.G., E. Papanikolaou, Cariteau B., Adams P., Bengaouer A., Hydrogen permeation from CGH2 vehicles in garages: CFD dispersion calculations and experimental validation, Int. J. Hydrogen Energy 35 (2010) 3848–3856
28) A.G. Venetsanos, E. Papanikolaou, O.R. Hansen, P. Middha, J. Garcia, E. Gallego, M. Heitsch, D. Baraldi, P. Adams, HYSAFE Standard benchmark Problem SBEP-V11: Predictions of hydrogen release and dispersion from a CGH2 bus in an underpass, Int. J. Hydrogen Energy 35 (2010) 3857–3867
29) Papanikolaou, E.A., Venetsanos, A.G., Heitsch, M., Baraldi, D., Huser, A., Pujol, J., Garcia, J. and Markatos, N., HySafe SBEP-V20: Numerical Studies of release experiments inside a naturally ventilated residential garage. Int. J. Hydrogen Energy 35 (2010) 4747–4757
30) Adams P., Bengaouer A., Cariteau B., Molkov V., Venetsanos A.G., Allowable hydrogen permeation rate from road vehicles, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.04.161
31) Zhang J., Delichatsios M.A., Venetsanos A.G., Numerical studies of dispersion and flammable volume of hydrogen in enclosures, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.03.107
32) Venetsanos A.G., Adams P., Azkarate I., Bengaouer A., Brett L., Carcassi M.N., Engebø A., Gallego E., Gavrikov A.I., Hansen O.R., Hawksworth S., Jordan T., Kessler A., Kumar S., Molkov V., Nilsen S., Reinecke E., Stöcklin M., Schmidtchen U., Teodorczyk A., Tigreat D., Versloot N.H.A., On the use of hydrogen in confined spaces: Results from the internal project InsHyde, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.05.030
33) Papanikolaou E., Venetsanos A.G., Schiavetti M., Carcassi M., Markatos N., Consequence assessment of the BBC hydrogen refueling station, using the ADREA-HF code, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.04.088
34) Papanikolaou E., Venetsanos A.G., Cerchiara G.M., Carcassi M., Markatos N., CFD Simulations on Small Hydrogen Releases inside a Ventilated Facility and Assessment of Ventilation Efficiency, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.04.119
35) Ham K., Marangon A., Middha P., Versloot N., Carcassi M., Hansen O., Schiavetti M., Papanikolaou E., Venetsanos A., Engebo A., Saw JL., Saffers J-B., Flores A., Serbanescu D., Benchmark exercise on risk assessment methods applied to a virtual hydrogen refueling station, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.04.118
36) Brennan S., Bengaouer A., Carcassi M., Cerchiara G., Evans G., Friedrich A., Gentilhomme O., Houf W., Kotchourko A., Kotchourko N., Kudriakov S., Makarov D., Molkov V., Papanikolaou E., Pitre C., Royle M., Schefer R., Stern G., Venetsanos A.G., Veser A., Willoughby D., Yanez J., Hydrogen and fuel cell stationary applications: key findings of modelling and experimental work in the HyPer project, In Press, Int. J. Hydrogen Energy, 2010. http://dx.doi.org/10.1016/j.ijhydene.2010.04.127
37) Andronopoulos S., I. Mavroidis, A.G. Venetsanos, J.G. Bartzis, Modelling of atmospheric flow and dispersion in the wake of a cylindrical obstacle, submitted to International Journal of Environment and Pollution, 2010

2. Publications in International Conferences

1) J.Würtz, J.Bartzis, A.Venetsanos, S. Andronopoulos, J. Statharas, R.Nijsing, "A Dense Vapour Dispersion Code Package for Applications in the Chemical and Process Industry.", ICHMT International Symposium on "Heat and Mass Transfer in Chemical Process Industry Accidents", Sept. 15-16, 1994, Rome, Italy.
2) A.G. Venetsanos, J. Würtz, J Bartzis, J. Statharas, “Modelling the effects of obstacles on dense gas dispersion in shallow layer models”, Proceedings of the Third International Conference AIR-POLLUTION 95, Porto Carras, Greece, September 26-29, 1995
3) J. Bartzis, A.G. Venetsanos, M. Varvayanni, S. Andronopoulos, S. Davakis, J. Statharas, N. Catsaros, P. Deligiannis, “Wind flow and dispersion modeling over terrain of high complexity”, Proceedings of the Fifth International Conference AIR-POLLUTION 97, Bologna, Italy, September 16-18, 1997
4) M. Varvayanni, P. Deligiannis, E. Davakis, A.G. Venetsanos, N. Catsaros, “Wind flow and pollutant dispersion diagnosis over complex terrain based on sparse meteorological measurements”. Proceedings of the Fifth Conference of Environmental Science and Technology, Molyvos, Lesvos, Greece, September 1-4, 1997
5) A.G. Venetsanos, S. Andronopoulos S., J. Statharas, J.G. Bartzis, “Local scale dispersion model evaluation exercise”, Proceedings of the Sixth International Conference AIR-POLLUTION 98, Genoa, Italy, September 28-30, 1998
6) A.G. Venetsanos, J.G. Bartzis, J. Würtz, Papailiou D.D., (1998) “Comparative modeling of a passive release from an L-shaped building using one, two and three-dimensional dispersion models”, Proceedings of the Fifth International Conference on Harmonisation within Atmospheric Dispersion Modeling for Regulatory Purposes”, Rodos, Greece, May 18-21.
7) E. Davakis, S. Andronopoulos, D. Vlachogiannis, A. Venetsanos, J.G. Bartzis and S.G. Nychas, (1999), “Validation of the Demokritos dispersion modelling system based on the Indianapolis experiment”, Proceedings of the 6th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, CORIA, Rouen, France, October.
8) H. Wilkening, A.G. Venetsanos, T. Huld and J.G. Bartzis, “Safety Assessment of Hydrogen as a fuel for vehicles by numerical simulation”, paper presented at the Euro-Conference “New and Renewable Technologies for Sustainable Development”, Madeira Island, Portugal, June 26-29, 2000.
9) S.Andronopoulos, J.G.Bartzis, K. Konte, C.Mita, A.G.Venetsanos, D. Vlachogiannis, “Atmospheric dispersion modelling in the RODOS Decision Support System”, Fifth International Conference on Protection and Restoration of the Environment, Thasos Island, Greece, 2-6 July 2000.

10) A.G. Venetsanos, D. Vlachogiannis, A. Papadopoulos, J.G. Bartzis, S. Andronopoulos, “Studies on pollutant dispersion from moving vehicles”, Third International Conference on Urban Air Quality, 19-23 March 2001, The Poseidon Hotel Resort, Loutraki, Greece.
11) D. Vlachogiannis, N. Gounaris, J.G. Bartzis, S. Andronopoulos and A.G. Venetsanos, “Development and Evaluation of Air Emissions Inventories for the Greater Athens Area”, Third International Conference on Urban Air Quality, 19-23 March 2001, The Poseidon Hotel Resort, Loutraki, Greece.
12) D. Vlachogiannis, S. Rafailidis, J.G. Bartzis, S. Andronopoulos and A.G. Venetsanos, “Modelling of Flow and Pollution Dispersion in Different Urban Canyon Geometries” Third International Conference on Urban Air Quality, 19-23 March 2001, The Poseidon Hotel Resort, Loutraki, Greece.
13) S. Andronopoulos, N. Gounaris, A. Passamichali, D. Vlachogiannis, A.G. Venetsanos and J.G. Bartzis, “Methodology for Generation of Biogenic VOC Emissions Database for Use by Air Quality Models”, Third International Conference on Urban Air Quality, 19-23 March 2001, The Poseidon Hotel Resort, Loutraki, Greece.
14) S. Andronopoulos, D. Grigoriadis, A. Robins, A.G. Venetsanos, S. Rafailidis and J.G. Bartzis, Modelling of concentration fluctuations”, Proceedings of the Seventh International Conference on Harmonisation within Atmospheric Dispersion Modeling for Regulatory Purposes, Belgirate, Italy, May 28-31, 2001.
15) A.G. Venetsanos, J.G. Bartzis, S. Andronopoulos, D. Vlachogiannis, “Vehicle effects on street canyon air pollution pattern” Proceedings of the International Conference AIR POLLUTION 2001, 12-14 September, Ancona, Italy
16) P. Neofytou, A.G. Venetsanos, S. Rafailidis, J.G. Bartzis, “Numerical investigation of the pollution dispersion in an urban street canyon”, Fourth International Conference on Urban Air Quality, - Measurement, Modelling and Management, 25-28 March 2003, Charles University Prague, Czech Republic.
17) P. Neofytou, A.G. Venetsanos, D. Vlachogiannis, J.G. Bartzis, A. Scaperdas, “CFD simulations of the wind environment around an airport terminal building”, Fourth International Conference on Urban Air Quality, - Measurement, Modelling and Management, 25-28 March 2003, Charles University Prague, Czech Republic.
18) N. Koutsourakis, A.G. Venetsanos, J.G. Bartzis, S. Rafailidis, “Computation of pollutant dispersion during an airplane take-off”, Fourth International Conference on Urban Air Quality, - Measurement, Modelling and Management, 25-28 March 2003, Charles University Prague, Czech Republic.
19) Koutsourakis, N., Neofytou, P., Venetsanos, A., Bartzis, J. G., Parametric study of the dispersion aspects in a street canyon area, 9th conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 1-4/6/2004, Garmisch-Partenkirchen, Germany
20) A.G. Venetsanos, G.M. Horsch, G.C. Christodoulou, (2004) ‘Assessment of Turbulence Modelling of Density Currents Developing Three Dimensionally on a Slope’, Proceedings of the International Conference ‘Protection and Restoration of the Environment VII’, Mykonos, Greece, 28 June-01 July.
21) Reinhold Wurster, L-B-Systemtechnik GmbH, Horst Mettlach, Adam Opel AG; Laurent Allidieres, Air Liquide; Peter Bout and Peter Newboult, Air Products Plc.; Peter Michel, BMW Group; Michael Jones and Steve Cook, BP Intl.; Serge Chaudourne, CEA; Josef Zieger, DaimlerChrysler AG; Alexander G. Venetsanos, NCSR Demokritos; Gerd Petra Haugom, Det Norske Veritas; Daniele Baraldi and Heinz Wilkening, EC-JRC; Udo Klein, Ford Werke AG; Alexei Kotchourko and Sergey Dorofeev; FZ Karlsruhe GmbH; Hugo Vandenborre and Christian Machens, Vandenborre Technologies NV; Fernando Isorna, INTA; Friedel Michel, Messer Griesheim GmbH; Henrik Andersen, Norsk Hydro AS; James Barron and Roger Cracknell, Shell Global Solutions; Paul Adams, Volvo Technology Corp.; Per Sigurd Heggem, Raufoss Alternative Fuel Systems AS; Jaco Reijerkerk, Linde AG, ‘European Integrated Hydrogen Project – Phase 2 – Results’, Proceedings 15th World Hydrogen Energy Conference (WHEC-15), Yokohama, Japan, June-July, 2004.
22) Papanikolaou, E. A., Venetsanos, A. G., “CFD Modelling for Slow Hydrogen Releases in a Private Garage without Forced Ventilation”, International Conference on Hydrogen Safety, Pisa, Italy, 8-10 September, 2005.
23) Venetsanos, A. G., Bartzis J.G. CFD modelling of large-scale LH2 spills in open environment, International Conference on Hydrogen Safety, Pisa, Italy, 8-10 September, 2005
24) Gallego, E., Migoya, E., Martin-Valdepenas, J. M., Garcia, J., Crespo, A., Venetsanos, A., Papanikolaou, E., Kumar, S., Studer, E., Hansen, O. R., Dagba, Y., Jordan, T., Jahn, W., Oíste, S., Makarov, D., An Intercomparison Exercise on the Capabilities of CFD, International Conference on Hydrogen Safety, Pisa, Italy, 8-10 September, 2005
25) A. Galani, P. Neofytou, A. G. Venetsanos, J. Bartzis and S. Neville, “Prediction and study of passive pollutant dispersion in a street canyon in London using Computational Fluid Dynamics techniques” Proc. of the Int. Conference of Computational Methods in Sciences and Engineering, Loutraki, Greece , 2005.
26) P. Neofytou, M. Haakana, J. Kukkonen, A. G. Venetsanos, A. Kousa, and J. Bartzis, “Air quality assessment in a street canyon in Helsinki using the CFD model, ADREA-HF” Proc. of the 10th Int. Conference on Harmonisation within Atmospheric dispersion Modelling for regulatory purposes, Crete, Greece, 2005.
27) P. Neofytou, A. G. Venetsanos and J. Bartzis “Wind-field and pollution-dispersion simulation in a street canyon in Helsinki with the ADREA-HF code” Proc. of the 9th Int. Conference on Environmental Science and Technology, Rhodes, Greece, 2005.
28) J.G. Bartzis, A. Sfetsos, S. Andronopoulos, A. Venetsanos, K.D. Van den Hout (2005) “Assessing air quality CFD modelling in urban canopies”. 5th International Conference on Urban Air Quality, 29-31/3/2005, Valencia, Spain.
29) Bartzis, A. Sfetsos, S. Andronopoulos, A. Venetsanos, K.D. Van den Hout, Development of a fast tool for air quality CFD modeling in urban canopies, 10th Int. Conf. on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 17-20 October 2005, Crete, Greece.
30) J.G. Bartzis, A. Sfetsos, G. Efthimiou, S. Andronopoulos, A. Venetsanos, Validation exercise utilizing ADREA and STAR-CD codes in urban scale. The MUST experiment, HARMO-11, 2-5 July 2007, Cambridge, UK
31) Venetsanos A.G., Papanikolaou E., Delichatsios M., Garcia J., Hansen O.R., Heitsch M., Huser A., Jahn W., Jordan T., Lacome J-M., Ledin H.S., Makarov D., Middha P., Studer E., Tchouvelev A.V., Teodorczyk A., Verbecke F., Van der Voort

M.M., An Inter-Comparison Exercise On the Capabilities of CFD Models to Predict the Short and Long Term Distribution and Mixing of Hydrogen in a Garage, Second International Conference on Hydrogen Safety, San Sebastian, Spain, 11-13 September, 2007
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