

SPH rEsearch and engineeRING International Community

Steering Committee members – February 2025

Nr.	Member	Type of institution	Representing person	Service	Address	e-mail	Research interest
1	University of Parma	Academia	Renato VACONDIO	Chair	University of Parma, v.le G.P. Usberti 181/A 43100 Parma, ITALY	renato.vacondio@unipr.it	Free-surface flows
2	University of Manchester	Academia	Benedict ROGERS	Vice-chair	School of Mechanical, Aerospace & Civil Engineering, University of Manchester, Manchester, M13 9PL, U.K.	benedict.rogers@manchester.ac.uk	Coastal hydrodynamics; Floating bodies; Aerated flows, multi-phase flows, high temperature applications
3	University of Hertfordshire	Academia	Tom DE VUYST	Secretary	School of Physics, Engineering and Computer Science, University of Hertfordshire, Hatfield, Hertfordshire, AL10 9AB, U.K	t.de-vuyst@herts.ac.uk	Stability, Boundary conditions, Coupling, Industrial Applications
4	New Jersey Institute of Technology	Academia	Angelo TAFUNI	Webmaster	School of Applied Engineering and Technology, Department of Mechanical and Industrial Engineering, New Jersey Institute of Technology, University Heights, Newark, NJ 07103, USA	atafuni@njit.edu	Fluid-Structure Interaction, Free-surface flow, Turbulence
5	Istituto Nazionale di Geofisica e Vulcanologia	Government Institute	Giuseppe BILOTTA	Newsletter Editor	Istituto Nazionale di Geofisica e Vulcanologia Osservatorio Etno — Sezione di Catania piazza Roma 2, 95125 Catania, ITALY	giuseppe.bilotta@ingv.it	Lava flows, landslides, geophysical flows; Non-Newtonian flow; HPC; GPGPU
6	Dive Solutions	Industry	Pierre SABROWSKI	Social Media	Bismarckstraße 10-12, 10625 Berlin, Germany	sabrowski@dive-solutions.de	
7	CNR-INSEAN	Government Institute	Salvatore MARRONE		CNR-INSEAN, The Italian Ship Model Basin, Via di Vallerano 139, 00128 Rome, ITALY	salvatore.marrone@cnr.it	Ship Dynamic; Sloshing Flows; Impact flows and related loads on ship structures; Numerical methods for free surface flows
8	Kyoto University	Academia	Abbas KHAYYER		Japan, 〒615-8246 Kyoto, Nishikyo Ward, Goryohara, 11 Goryohara, Nishikyô-ku, Kyôto-shi, Kyôto-fu 615-8245, 11	khayyer.abbas.3w@kyoto-u.ac.jp	projection particle methods, free-surface flows, multiphase flows, fluid-structure interactions, solids and structures
9	Ecole Centrale Nantes/CNRS	Academia	Guillaume OGER		1 Rue de la Noë, 44300 Nantes, France	guillaume.oger@ec-nantes.fr	Free surface and interface flows, Ocean engineering, Fluid-Structure Interactions; Multiphase flows
10	National University of Ireland, Galway	Academia	Nathan QUINLAN		Dept. of Mechanical and Biomedical Eng. NUI Galway IRELAND	nathan.quinlan@nuigalway.ie	
11	Siemens	Industry	Matthieu DE LEFFE		18 rue de la Petite Sensive, CS 42105, 44321 Nantes Cedex 03, France	matthieu.de-leffe@siemens.com	Free-surface flows, multiphase flows, fluid-structure interactions
12	Sun Yat-sen University	Academia	Peng-Nan SUN		No.2, Tangjiawan Daxue Road, Xiangzhou District, Zhuhai 519082, P. R. China	sunpn@mail.sysu.edu.cn	Ocean engineering; Multi-physics problems; Free-surface flows; Industrial applications
13	Technical University of Munich	Academia	Xiangyu HU		Institute of Aerodynamics, Technical University of Munich, Arcisstrasse 21, GERMANY	xiangyu.hu@tum.de	Microfluidic applications; Lagrangian turbulence.
14	University of Vigo	Academia	Alejandro CRESPO		EPHYSLAB Environmental Physics Laboratory Edificio de Física Campus As Lagoas s/n Universidad de Vigo 32004 Ourense SPAIN	alexexbe@uvigo.es	Coastal engineering applications, high performance computing, pre-processing, visualisation
15	Universitat Politècnica de Catalunya · Barcelona Tech	Academia	Corrado ALTOMARE (co-opted)		Carrer de Jordi Girona, 1, Les Corts, 08034 Barcelona, Spain	corrado.altomare@upc.edu	Coastal engineering applications, high performance computing, pre-processing, visualisation
16	University of Manchester	Academia	Georgios FOURTAKAS (co-opted)		Booth St E, Manchester M13, United Kingdom	georgios.fourtakas@manchester.ac.uk	Coastal hydrodynamics; Floating bodies; Aerated flows, multi-phase flows, high temperature applications

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17	Abdullah Gül University	Academia	Ali Ersin DİNÇER	Barbaros, Sümer Kampüsü, Erkillet Blv., 38080 Kocasinan/Kayseri, Turkey	ersin.dincer@agu.edu.tr + abdullah.demir@agu.edu.tr	SPH-FEM coupling
18	Alstom Hydro	Industry	Pierre LEROY	82, av Leon Blum, 38041 Grenoble Cedex 9, FRANCE	Pierre.leroy@power.alstom.com + farid.mazzouji@power.alstom.com + emmanuel.flores@power.alstom.com	Turbomachine / Free surface flow
19	Altair Engineering	Industry	Gareth Lee	Parking 30, 85748 Garching bei München, Germany	lee@altair.com	High-Performance Computing Multi-phase flows and multiple continua Free surface flows and moving boundaries
20	Amir Kabir University of Technology	Academia	Shariar ABTAHI	Amir Kabir University of Technology, Hafez Street, Tehran, IRAN	sh.abtahi@aut.ac.ir + a.dashimanesht@aut.ac.ir + hasepyani@gmail.com	Wave-structures interaction; Wave group generation and breaking
21	ANDRITZ Hydro AG	Industry	Martin RENTSCHLER	Andritz HYDRO, rue des deux gares 6, 1800 Vevey, SWITZERLAND	Martin.Rentschler@andritz.com	Hydraulic turbomachinery; Pelton turbines; Water jets; Water sheets; Hydraulic intakes.
22	ANDRITZ Hydro SAS	Industry	Jean-Christophe MARONGIU	13 Av. Albert Einstein, 69100 Villeurbanne, France	jean-christophe.marongiu@andritz.com	Hydraulic turbomachinery; Pelton turbines; Water jets; Water sheets; Hydraulic intakes.
23	Auburn University	Academia	Stephen NICHOLS	Auburn University Aerospace Engineering Department, 331 Davis Hall, Auburn University, Auburn, AL 36849	Stephen.Nichols@auburn.edu	Fluid Dynamics, High Performance Supercomputing
24	Australian Nuclear Science and Technology Organisation (ANSTO)	Government Institute	Michael SALEH	New Illawarra Rd, Lucas Heights NSW 2234, Australia	michael.saleh@ansto.gov.au + lyndon.edwards@ansto.gov.au	continuum dynamics, fluid structure interaction, high velocity impact
25	AySA	Industry	Diego N. BOTTELLI	Tucumán 752, C1049 CABA, Argentina	diego_n_bottelli@aysa.com.ar + Sebastian_H_martijena@aysa.com.ar + guillermo_nociani@aysa.com.ar + sebastian_santisi@aysa.com.ar	Hydraulics, modelling process in water treatment plants (water and wastewater), Near Field pollutants dispersion in wastewater submarine outfalls
26	Bakrie University	Academia	Budianto Ontowirjo	Jl. H. R. Rasuna Said No.2, RT.2/RW.5, Karet Kuningan, Kecamatan Setiabudi, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12940, Indonesia	budianto.ontowirjo@bakrie.ac.id	Maritime and naval architecture applications Hydraulic applications Disaster simulations High-Performance Computing Multi-phase flows and multiple continua Viscosity and turbulence modelling
27	BECKER 3D GmbH	Industry	Alexander BECKER	BECKER 3D GmbH, Auenweg 8, 9521 Treffen, Austria	a.becker@becker3d.com	Free surface flow, Multiphase flow, SPH-DEM coupling
28	Beuth Hochschule für Technik Berlin	Academia	Joachim VILLWOCK	Beuth HS, Fachbereich VIII, Luxemburger Str. 10, 13353 Berlin	villwock@beuth-hochschule.de + coertel@beuth-hochschule.de + Pierre.Sabrowski@fsd.tu-berlin.de	Simulation of Sedimentation in Waste Water and Simulation of the Washing Process in a rotating drum
29	Binus University	Academia	Muhammad Hafiz Aslami	Jl. Kyai H. Syahdan No.9, Kemanggisan, Kec. Palmerah, Kota Jakarta Barat, Daerah Khusus Ibukota Jakarta 11480, Indonesia	muhammad.aslami@binus.edu	Hydraulic applications, Disaster simulations High-Performance Computing, Free surface flows and moving boundaries, Shallow Water Equations, Dam Operation, Coastal Protection
30	Bournemouth University	Academia	Richard SOUTHERN	National Centre for Computer Animation, Bournemouth University, Poole, BH12 5BB, UK	rsouthern@bournemouth.ac.uk	Boundary conditions, Visual Effects, Real-time applications, Rendering
31	Brunel University	Academia	Rade VIGNJEVIC	Brunel University, Kingston Lane, Uxbridge, Middlesex UB8 3PH, UK	v.rade@brunel.ac.uk	Maritime and naval architecture applications Hydraulic applications
32	Budapest University of Technology and Economics	Academia	Balázs Havasi-Tóth	Budapest, Műegyetem rkp. 3, 1111 Hungary	havasi-toth.balazs@gpk.bme.hu	Hydraulic applications
33	Catholic University Leuven	Academia	Paul Van LIEDEKERKE	Catholic University Leuven, Kasteelpark Arenberg 30, 3001 Heverlee, BELGIUM	Paul.VanLiedekerke@biw.kuleuven.be	
34	City University London	Academia	Qingwei MA	School of Engineering and Mathematical Sciences, City University, Northampton Square, London EC1V 0HB, UK	q.ma@city.ac.uk	
35	CSIRO Mathematical and Information Sciences	Academia	Paul CLEARY	Research Way, Clayton, Vic, 3168, Clayton, Vic	paul.cleary@csiro.au	Turbulence; Water waves; Fluid-structure interaction; Ship hydrodynamics.
36	Dongguan University of Technology	Academia	Songdong SHAO	China, Guangdong Province, Dongguan, 大学路1号 邮政编码: 523820	shaosd@dgtu.edu.cn	Incompressible SPH; Free Surface Flow; Free-surface flows, Multiphase flows, Fluid-structure interactions, GPGPU
37	E8IGHT Co., Ltd	Industry	Jin Hyun Kim	249 Unjung-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea	jhkim@e8-korea.com + sjlee3149@e8-korea.com + kufjang@e8-korea.com	

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38	E8IGHT KOREA	Industry	Jae Uk Jeong	Street Address: 300, 28F, Lotte World Tower, Olympic-ro, Songpa-gu, City: Seoul, Postal Code: 05551, Country: South Korea	peterjeong@e8ight.co.kr	Maritime and naval architecture applications, Hydraulic applications, Solid and Fracture Mechanics, Microfluidics, Disaster simulations, High-Performance Computing, Multi-phase flows and multiple continua, Free surface flows and moving boundaries, Viscosity and turbulence modelling, Biomedical and bioengineering applications
39	Ecole des Mines of Saint-Etienne France	Academia	Olivier BONNEFOY	158 cours Fauriel, 42100 Saint-Etienne, France	bonnefoy@emse.fr + sandra.geara@emse.fr + sylvain.martin@emse.fr	Free-surface flows, laser-matter interaction, solid-liquid phase transition
40	Ecole Polytechnique Fédérale de Lausanne	Academia	François AVELLAN	EPFL-STI-LMH, Avenue de Cour 33 bis, CH-1007 Lausanne, SWITZERLAND	francois.avellan@epfl.ch	Hydraulic machinery; Cavitation; Flow surfaces.
41	EDF R&D	Industry	Damien VIOLEAU	Laboratoire National d'Hydraulique et Environnement, EDF R&D, 6 quai Watier, 78400 Chatou, FRANCE	damien.violeau@edf.fr + agnes.leroy@edf.fr + serguei.potapov@edf.fr	Free surface Flows; Turbulence; Water waves / structure interaction; Multiphase Flow; Waterworks.
42	Eindhoven University of Technology	Academia	Martijn ANTHONISSEN	5612 AZ Eindhoven, Netherlands	m.j.h.thonissen@tue.nl + w.h.a.schilders@tue.nl + a.s.tijsseling@tue.nl + linden@win.tue.nl + a.muntean@tue.nl + s.p.korzilius@tue.nl + j.h.m.evers@tue.nl	Numerics and fundamentals of SPH
43	EPHYTECH (Environmental Physics Technologies S.L)	Industry	Ángel ÁLVAREZ Fernández	Sistis, 4, 32593 Arrabaldo, Ourense, Spain	angel@ephytech.com + orlando@ephytech.com	Advanced visualisation for SPH models, urban flooding and debris flows
44	Escuela Superior Politécnica del Litoral (ESPOL)	Academia	Ruben J. PAREDES	Vía Perimetral 5, Guayaquil, Ecuador	rparedes@espol.edu.ec	Free surface flows, naval architecture applications, sedimentation
45	ESI-Group Netherlands	Industry	Paul GROENENBOOM	ESI Group (Engineering Systems International B.V.), Radex Innovation Centre, Rotterdamseweg 183 C, 2629 HD Delft, THE NETHERLANDS	pgr@esi-group.com	
46	Fifty2 Technology GmbH	Industry	Shreyas Joshi	Tullastrasse 80, Freiburg, Baden-Wuerttemberg 79108	shreyas.joshi@fifty2.eu	Maritime and naval architecture applications, Solid and Fracture Mechanics, Microfluidics, Disaster simulations, High-Performance Computing, Multi-phase flows and multiple continua, Free surface flows and moving boundaries, Viscosity and turbulence modelling, Biomedical and bioengineering applications
47	Flanders Hydraulics Research	Research Institute	Tomohiro SUZUKI	Berchemlei 115, 2140 Antwerpen, Belgium	tomohiro.suzuki@mow.vlaanderen.be	Wave structure interaction
48	Gate Pathshala Educational Services LLP	Academia	Mohd Abrar NIZAMI	Gate Pathshala Educational Services LLP, #153, 2ND Floor, Karuneeagar Street, Adambakkam, Chennai, 600088, India	abram17@gmail.com + abhiyan3@gmail.com	Fluid-structure Interactions, flow around 2D bodies, Applications of SPH in Aerospace Engineering
49	Hamburg University of Technology (TUHH)	Academia	Thomas RUNG	Schwarzenbergstraße 95c, 21073 Hamburg, Germany	thomas.rung@tu-harburg.de	
50	Harbin Engineering University	Academia	Aman ZHANG	145 Nantong Ave, Nangang, Harbin, Heilongjiang, China, 150009	zhangaman@hrbeu.edu.cn + sunpengnan@hrbeu.edu.cn + mingfuren@hrbeu.edu.cn + chenghan_hrbeu@163.com	Numerical and application studies with the SPH (Smoothed Particle Hydrodynamics) method on fluid-structure interactions
51	Hohai University Institution of water sci	Academia	zhenmei wang	Street Address: 江苏省南京市鼓楼区西康路1号河海大学 City: Nanjing Region/State/Country: jiangsu Postal Code: 210098 Country: China	wzhenmei@hhu.edu.cn	Maritime and naval architecture applications, Hydraulic applications, High-Performance Computing, Multi-phase flows and multiple continua, Free surface flows and moving boundaries, Viscosity and turbulence modelling
52	HydrOcean	Industry	Erwan JACQUIN	8 Bd Albert Einstein, 44300 Nantes, France	erwan.jacquin@hydrocean.fr + yoann.jus@hydrocean.fr + daniel.barcarolo@hydrocean.fr + nicolas.couty@hydrocean.fr	Free surface flows, green water, sloshing

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53	Indian Institute of Technology Bombay	Academia	Prabhu Ramachandran	Indian Institute of Technology Bombay, Area, Powai, Mumbai, Maharashtra 400076, India	prabhu@aero.iitb.ac.in	Solid and Fracture Mechanics, High-Performance Computing, Free surface flows and moving boundaries, Viscosity and turbulence modelling, Open source software
54	Indian Institute of Technology Kharagpu	Academia	Amit Shaw	Street Address: Department of Civil Engineering Street Address Line 2: IIT KHARAGPUR CAMPUS City: KHARAGPUR Region/State/County: West Bengal Postal Code: 721302 Country: India	abshaw@civil.iitkgp.ac.in	Solid and Fracture Mechanics
55	Institut de recherche d'Hydro-Québec (IREQ)	Industry	Roubtsova VARVARA	Institut de recherche d'Hydro-Québec (IREQ), 1740, boul. Lionel-Boulet, Varennes (Quebec), J3X 1S1, Canada	roubtsova.varvara@ireq.ca + chekired.mohamed@ireq.ca	Coupling to other models, Applicability to industry
56	Institute of Applied Physics and Computational Mathematics, China	Academia	Zhibo MA	Institute of Applied Physics and Computational Mathematics, No.2 Feng Hao Dong Lu, Hai Dian District, Beijing, 100094, China	mazhibo@iapcm.ac.cn + asiabuasa@163.com + lvguixia@126.com + zhang_mingyu@iapcm.ac.cn	Multi-scale and multi-physics of complex flow, fluid-structure interactions, plasma, engineering of nuclear power plant
57	Institute of Software, Chinese Academy of Sciences (ISCAS)	Academia	Xiaowei HE	4 Zhongguan Village South 4 St, Haidian District, Beijing, China, 100190	xiaowei@pku.edu.cn + 1901210344@pku.edu.cn + liuss@ios.ac.cn	Computer Graphics, Fluid Simulation
58	Instituto Superior Tecnico	Academia	João M. MELO DE SOUSA	Av. Rovisco Pais, 1049, 001 Lisboa, PORTUGAL	msousa@ist.utl.pt + shahab.khorasanizade@ist.utl.pt	fluid dynamics, multiphase flow, turbulent flow, ISPH, boundary treatment, GPU implementation
59	Karlsruhe Institute of Technology	Academia	H.-J. BAUER	Thermische Stroemungsmaschinen Kaiserstr. 12, 76131 Karlsruhe GERMANY	hans-joerg.bauer@kit.edu + corina.hoefler@kit.edu + rainer.koch@kit.edu + samuel.braun@kit.edu + juan.meza@kit.edu	Multi-phase flows and multiple continua, Free surface flows and moving boundaries, Viscosity and turbulence modelling
60	King Khalid University	Academia	Abdelraheem Aly	Department of Mathematics, Faculty of Science, Abha, KKU, Sa City: Abha Region/State/County: Asser Postal Code: 62217 Country: Saudi Arabia	ababdallah@kku.edu.sa	High-Performance Computing, Multi-phase flows and multiple continua, Free surface flows and moving boundaries, Viscosity and turbulence modelling
61	Korea Maritime and Ocean University	Academia	Noverdo Saputra	727 Taejong-ro, Yeongdo-gu, Busan, South Korea	edo8@g.kmou.ac.kr	Maritime and naval architecture applications Solid and Fracture Mechanics
62	Kyushu University	Academia	Shujiro Fujioka	Nishi-ku Ijji Street Address Line 2: 968-1-511 City: Fukuoka Region/State/County: Fukuoka Postal Code: 819-0371 Country: Japan	s.fujioka705@gmail.com	Disaster simulations
63	Laboratório Nacional de Engenharia Civil	Government Institute	Eric DIDIER	Laboratório Nacional de Engenharia Civil, LNEC / NPE / DHA, Av. Do Brasil, 101, 1700-066 Lisboa, PORTUGAL	edidier@lnec.pt	Free surface flow; Wave-structure interaction; Wave breaking; Wave overtopping.
64	Leiden University, Lorentz Institute for Theoretical Physics	Academia	Matthieu Schaller	Niels Bohrweg 2, Leiden, Zuid-Holland, 2333CA, Netherlands	schaller@strw.leidenuniv.nl	Astrophysics, High-Performance Computing, Multi-phase flows and multiple continua
65	Memorial University of Newfoundland	Academia	Terrence Tricco	H7F7-JV St. John's, Newfoundland and Labrador, Canada	tstricco@mun.ca	Astrophysics High-Performance Computing
66	Monash University	Academia	Ha H. BUI	Monash University, Clayton, Vic 3800, Melbourne, AUSTRALIA	buihongha@gmail.com + daniel.price@monash.edu + joe.monaghan@monash.edu	
67	National Centre for Coastal Research, Ministry of Earth Science, India	Academia	Dr. Ramana Murthy	Pallikaranai, Chennai, Tamil Nadu - 600100, India	mvr@nccr.gov.in	Fluid - Structure interactions using SPH. Application of SPH for real coastal problems
68	National Taiwan University (NTU)	Academia	Tsang-Jung CHANG	1, Section 4, Roosevelt Road, Taipei, Taiwan, China	tjchang@ntu.edu.tw + hmkao@ntu.edu.tw + f94622026@ntu.edu.tw + apfeish.tw@yahoo.com.tw + sheng_einstein@hotmail.com	Shallow water equations
69	National University of Singapore (NUS)	Academia	Erwan BERTEVAS	Faculty of Engineering, National University of Singapore, 9 Engineering Drive 1, 117575, Singapore	nhan@nus.edu.sg + mpekbc@nus.edu.sg + mpettd@nus.edu.sg + mpeleck@nus.edu.sg + mpe_dtan@nus.edu.sg	Non-Newtonian fluids, Multiphase flows, Large-scale simulations of deep sea sediment transport, Fibre-suspension, 3D printing, Porous media
70	Nazarbayev University	Academia	Desmond ADAIR	Nazarbayev University, 53 Kabanbay Batyr str., Astana, Kazakhstan	dadair@nu.edu.kz + alima.tazabekova@nu.edu.kz	transport in porous medium, convective heat transfer
71	Northwestern Polytechnical University	Academia	Fei Xu	Street Address: 127 West Youyi Road, Beilin District City: Xi'an Region/State/County: Shaanxi Postal Code: 710072 Country: China	xufei@nwpu.edu.cn	Solid and Fracture Mechanics, High-Performance Computing, Multi-phase flows and multiple continua, Free surface flows and moving boundaries

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72	Ocean Coastal and River Engineering Research Centre of the National Research Council of Canada	Research Institute	Shameem Islam	1 Arctic Ave, St. John's, NL, Canada	mohammed.islam@nrc-cnrc.gc.ca	Maritime and naval architecture applications, Free surface flows and moving boundaries
73	Ocean University of China	Academia	Domenico Davide MERINGOLO	Ocean University of China, n° 238 Song-Ling Road, Laoshan District, Qingdao, 266100, China	davide.m86@gmail.com + liuyong@ouc.edu.cn + panchi@stu.ouc.edu.cn + ouccyk@gmail.com	Applications to Coastal and Ocean Engineering field
74	Ocean University of China	Academia	jian bao	5 Yushan Rd, Shinan District, Qingdao, Shandong, China, 266005	baojian0319@163.com	Multi-phase flows and multiple continua, Free surface flows and moving boundaries
75	Peking University	Academia	Moubin LIU	5 Yiheyuan Road, Haidian District, Beijing, China	mbliu@pku.edu.cn + mbliu_pku@foxmail.com + weng-xi@foxmail.com + 280065886@qq.com	Approximation techniques with applications in free-surface and interfacial flows, explosion and impact
76	Queen Mary University of London	Academia	Haibao Liu	327 Mile End Rd, Bethnal Green, London E1 4NS, United Kingdom	haibao.liu@qmul.ac.uk	Maritime and naval architecture applications Solid and Fracture Mechanics
77	Research Center Pharmaceutical Engineering GmbH	Industry	István Kondor	Research Center Pharmaceutical Engineering GmbH A-8010 Graz, Inffeldgasse 13/II, Austria	istvan.kondor@rcpe.at	TBU
78	RhySearch - Digital Innovation Lab -	Government Institute	Michael Schreiner	Werdenbergstrasse 4 City: Buchs Region/State/Country: SG Postal Code: 9471 Country: Switzerland	michael.schreiner@rhysearch.ch	Solid and Fracture Mechanics Microfluidics Multi-phase flows and multiple continua Free surface flows and moving boundaries
79	Ricerca sul Sistema Energetico – RSE SpA	Government Institute	Andrea AMICARELLI	Ricerca Sistema Energetico - RSE Spa, Environment and Sustainable Development Department, via Rubattino, 54, 20134 Milano, ITALY	andrea.amicarelli@rse-web.it	Floods, landslides, sediment removal from water reservoirs, wave motion, sloshing fuel tanks
80	Royal Military College of Canada	Research Institute	Alireza yaseri	13 General Crerar Crescent, Kingston, ON K7K 7B4, Canada	alireza.yaseri.1@ulaval.ca	Hydraulic applications, Microfluidics, Multi-phase flows and multiple continua, Viscosity and turbulence modelling
81	RWTH Aachen University	Academia	Jan BENDER	Visual Computing Institute, RWTH Aachen University, Ahornstrasse 55, 52074 Aachen, Germany	bender@cs.rwth-aachen.de + weiler@cs.rwth-aachen.de + loeschner@cs.rwth-aachen.de + jeske@cs.rwth-aachen.de	Pressure solvers, boundary handling, turbulence, viscosity
82	Seoul National University	Academia	Jihoe KWON	1 Gwanak-ro, Gwanak-gu, Seoul, South Korea	iori96@snu.ac.kr + myidjej@snu.ac.kr + hccho@snu.ac.kr	liquid-dust multiphase flow / surface tension dominant flow / mineral processing
83	Seoul National University	Academia	Hee Sang Yoo	57, Nambusunhwan-ro 190-gil, Gwanak-gu, Seoul, Republic of Korea Street Address Line 2: 301 City: Seoul Country: South Korea Postal Code: 08779 Country: South Korea	yhs0365@gmail.com	Microfluidics, Multi-phase flows and multiple continua, Viscosity and turbulence modelling
84	Shanghai Jiao Tong University	Academia	Zhen Chen	800 Dongchuan Road, Minhang District Shanghai Postal Code: 200240 Country: China	zhen.chen@sjtu.edu.cn	Multi-phase flows and multiple continua Free surface flows and moving boundaries
85	Shiraz University	Academia	A. DANESHVAR	Shiraz University, Department of civil and environmental engineering Zand Blvd., Shiraz, Fars Province, Iran	fdaneshvar@shirazu.ac.ir + taleb@shirazu.ac.ir + rakhsan@shirazu.ac.ir	Convergence, consistency and stability in Incompressible SPH, Adaptivity, Coupling to other models, and modelling free surface fluid flow and waves
86	Soran University	Academia	Hassan Sdiq	Kawa Street, Soran-Erbil/ Iraq Phone_00964(0)663506666	Hassan.sdiq@soran.edu.iq	Multiphase, Parallelization Coupling different physics solvers - Multibody dynamics
87	Sunchon National University	Academia	Hyung-Jun Park	255 Jungang-ro, Suncheon, Jeollanam-do, South Korea	hjpark89@scnu.ac.kr	Astrophysics Solid and Fracture Mechanics Free surface flows and moving boundaries Viscosity and turbulence modelling
88	Sunchon National University	Academia	Hyung-Jun Park	255, Jungang-ro, Suncheon-si, Jeollanam-do, Republic of Korea	hjpark89@scnu.ac.kr	Astrophysics Solid and Fracture Mechanics Free surface flows and moving boundaries Viscosity and turbulence modelling
89	Swansea University	Academia	Prof. Antonio J. Gil	Bay Campus, Fabian Way, Crymlyn Burrows, Swansea SA1 8EN, United Kingdom	a.j.gil@swansea.ac.uk	Solid mechanics and multi-physics
90	Swiss Federal Institute of Technology	Academia	Petros KOUMOUTSAKOS	Universitätstrasse 6, 8092 Zürich, Switzerland	petros@inf.ethz.ch	Multiscale simulation; Bluff body flows; Biophysics; Growth and pattern formation; Vortex dynamics.

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91	Technical University of Kenya	Academia	Fiona Jepleting	P.O. Box 52428, Haile Selassie Avenue, Nairobi, Nairobi	fmjepleting1@yahoo.com, fionamj@tu	Solid and Fracture Mechanics High-Performance Computing
92	Technical University of Madrid	Academia	Antonio SOUTO IGLESIAS	Naval Architecture Department (ETSIN), Technical University of Madrid (UPM), Arco de la Victoria s/n., 28040 Madrid, SPAIN	antonio.souto@upm.es	
93	The University of Liverpool	Academia	Eda Majtan	Department of Civil and Environmental Engineering Street Address Line 2: L69 3BX Brownlow Hill City: Liverpool Region/State/Country: Merseyside Postal Code: L69 3GH Country: United Kingdom	eda.majtan@liverpool.ac.uk	Hydraulic applications Solid and Fracture Mechanics Disaster simulations
94	Tianjin University	Academia	Ming He	China, Tianjin, Jinnan District, Jingu Hwy, 津沽路700号 邮政编码: 300355	minghe@tju.edu.cn	Maritime and naval architecture applications Free surface flows and moving boundaries Wave-structure interaction
95	UKRI Science and Technology Facilities Council (STFC)	Government Institute	Stephen LONGSHAW	Keckwick Ln, Daresbury, Warrington WA4 4AD, United Kingdom	stephen.longshaw@stfc.ac.uk	Sloshing; HPC fundamentals (MPI/GPU etc.)
96	UNISA CUGRI (University Consortium for Research on Major Hazards)	Academia	Giacomo VICCIONE	CUGRI, Piazza Vittorio Emanuele 84080 Penta di Fisciano ITALY	epc@unisa.it, + cugri@unisa.it	
97	Universidad de Costa Rica	Academia	Juan Gabriel Monge-Gapper	Universidad de Costa Rica; Facultad de Ingeniería, Ciudad de la Investigación, 11501-2060 San Pedro de Montes de Oca, San José, COSTA RICA	juan.mongegapper@ucr.ac.cr	industrial and environmental applications
98	Università di Salerno	Academia	Dr. Giacomo Viccione	via Giovanni Paolo II, 132, 84084 Fisciano, Salerno, Italy	gviccion@unisa.it	Maritime and naval architecture applications Maritime and naval architecture applications, Hydraulic applications, HPC, Free surface flows and moving boundaries, Viscosity and turbulence modelling
99	Universitas Hasanuddin	Academia	Fuad Mahfud Assidiq	TAMAN SUDIANG INDAH B 5 NOMOR 7 City: MAKASSAR Region/State/Country: Sulawesi Selatan Postal Code: 90243 Country: Indonesia	assidiqfm@unhas.ac.id	Maritime and naval architecture applications Solid and Fracture Mechanics High-Performance Computing Free surface flows and moving boundaries Viscosity and turbulence modelling
100	Université de Normandie Rouen	Academia	Nicolas Lecoq	76130 Mont-Saint-Aignan, France	nicolas.lecoq@univ-rouen.fr	Microfluidics, Free surface flows and moving boundaries, Coastal morphodynamics
101	Université du Havre	Academia	Louis BLONCE	25 Rue Philippe Lebon, 76600 Le Havre, France	louis.blonce@univ-lehavre.fr + gregory-pinon@univ-lehavre.fr	
102	Université du Luxembourg	Academia	Bernhard PETERS	Université du Luxembourg, Faculté des Sciences, de la Technologie et de la Communication, Campus Kirchberg, 6, rue Coudenhove-Kalergi, L-1359 Luxembourg	bernhard.peters@uni.lu + yuchung.liao@uni.lu	Interaction fluid - objects
103	University of Auckland	Academia	Raj DAS	20 Symonds Street, Auckland 1010, NEW ZEALAND	r.das@auckland.ac.nz	Solid deformation, impact , Fracture
104	University of Basel	Academia	Rubén CABEZÓN	University of Basel, Klingelbergstrasse 50/70, 4056 Basel, Switzerland	ruben.cabezon@unibas.ch + florina.ciortba@unibas.ch + aurelien.cavelan@unibas.ch + danilo.guerrera@unibas.ch + ali.mohammed@unibas.ch	Astrophysics. Type Ia and core-collapse Supernovas. Stellar Collisions. High-performance Computing. Massive Parallelization. Numerics and Fundamentals of SPH.
105	University of Bristol	Academia	Simon Zeng	1, Cathedral Square, Trinity St, College Green, Bristol BS1 5DD, United Kingdom	cz15306@bristol.ac.uk	Biomedical and bioengineering applications
106	University of Calabria	Academia	Francesco ARISTODEMO	Via Pietro Bucci, 87036 Arcavacata CS	aristodemo@dds.unical.it + aristotool@gmail.com	Free surface flows; Bottom roughness; Multiphase flows.
107	University of Central Lancashire	Academia	Dimitris STAMATELLOS	Jeremiah Horrocks Institute, University of Central Lancashire, UK	dstamatellos@uclan.ac.uk + BMacfarlane@uclan.ac.uk + APMercer@uclan.ac.uk	Astrophysics, star formation, planet formation, protostellar disc physics
108	University of Exeter	Academia	Matthew BATE	School of Physics, University of Exeter, Stocker Road, Exeter EX4 4QL, UK	mbate@astro.ex.ac.uk	Astrophysics
109	University of Genova	Academia	Michele VIVIANI	Via All'Opera Pia, 11 A, 16145 Genova GE	michele.viviani@unige.it + giuliano.vernengo@unige.it	Sloshing phenomena inside ship tanks; Green water on deck (violent water embarguement).
110	University of Glasgow	Academia	Dr. Chun Hean Lee	James Watt School of Engineering, University of Glasgow, Glasgow G12 8QQ	chunhean.lee@glasgow.ac.uk	Solid Mechanics and Multi-Physics
111	University of Illinois Urbana-Champaign	Academia	Jacquelyn Noronha-Hostler	Street Address: 1110 W Green St Street Address Line 2: Loomis Laboratory City: Urbana Region/State/Country: IL Postal Code: 61801 Country: United States	jnorhos@illinois.edu	High-Performance Computing, Viscosity and turbulence modelling, Quark Gluon Plasma, Nuclear Theory
112	University of Innsbruck	Academia	Wolfgang RAUCH	University of Innsbruck, A-6020 Innsbruck, Austria	Wolfgang.Rauch@uibk.ac.at + daniel.winkler@uibk.ac.at + michael.meister@uibk.ac.at	Environmental Engineering

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Members – February 2025

Nr.	Member	Type of institution	Representing person	Address	e-mail	Research interest
113	University of Ljubljana	Academia	Dusan ZAGAR	University of Ljubljana, Jamova 2, SI-1000 Ljubljana, SLOVENIA	dzagar@fgg.uni-lj.si	
114	University of Pavia	Academia	Stefano SIBILLA	Università degli Studi di Pavia, Via Ferrata 1, Pavia, 27100, ITALY	stefano.sibilla@unipv.it	
115	University of Plymouth	Academia	Jason HUGHES	School of Computing and Mathematics, Plymouth University, Drake Circus, Plymouth, PL4 8AA, UK	jhughes@plymouth.ac.uk + dgraham@plymouth.ac.uk	Water wave / structure interactions; Turbulence; Multiphase Flow; Non-Newtonian Flow; Mathematical Analysis.
116	University of Pretoria	Academia	Daniel WILKE	Lynnwood Rd, Hatfield, Pretoria, 0002, South Africa	nico.wilke@up.ac.za	Hindered Settling, SPH Sedimentation, Porous Flow, SPH-DEM Particle Shape Effects, GPGPU
117	University of Regina	Academia	Ahmad SHAKIBAEINIA	Faculty of Engineering and Applied Science, University of Regina, 3737 Wascana Parkway, Regina, Saskatchewan, S4S 0A2, CANADA	shakibaa@uregina.ca + jabbaria@uregina.ca + mossafam@uregina.ca	Multiphase flow, free surface flow, SPH like mesh-free particle methods such as MPS
118	University of Stuttgart	Academia	Peter EBERHARD	Institute of Engineering and Computational Mechanics, University of Stuttgart, Pfaffenwaldring 9, 70569 Stuttgart, Germany	peter.eberhard@itm.uni-stuttgart.de	Sloshing fluids, adaptivity, boundary treatment, abrasive damage and cutting processes
119	University of Tasmania	Academia	Ali TOLOOIYAN	Engineering Building, Churchill Avenue, University of Tasmania, Hobart, 7005, Australia	Ali.Tolooiyan@utas.edu.au + Gholamreza.Kefayati@utas.edu.au + Ashley.Dyson@utas.edu.au + Shiyin.Sha@utas.edu.au	Geotechnical engineering, debris flow, slope stability, offshore engineering
120	University of Thessaly	Academia	Antonios LIAKOPOULOS	Department of Civil Engineering, University of Thessaly, Pedion Areos, GR-38334, Volos, Greece	aliakop@uth.gr + sfosos@uth.gr + dkasiter@civ.uth.gr + efchatzoglou@uth.gr	Boundary Conditions, Free Surface Flows, Turbulent Flows, Environmental Flows
121	University of Thessaly	Academia	Efstathios Chatzoglou	Street Address: Vassani 20 City: Volos Region/State/County: Thessaly Postal Code: 38333 Country: Greece	efchatzoglou@uth.gr	Hydraulic applications Free surface flows and moving boundaries Viscosity and turbulence modelling
122	University of West Bohemia	Academia	Libor Lobovský	Univerzita 2762/22, 301 00 Plzeň 3-Jižní Předměstí, Czechia	lobo@kme.zcu.cz	
123	UPM, Madrid, Spain	Academia	Antonio SOUTO IGLESIAS	Av/ Arco de la Victoria, 4 Planta-Sotano, 28040 Madrid, Spain	antonio.souto@upm.es	Free surface and interface flows, Ocean engineering, Fluid-Structure Interactions
124	Vellore Institute of Technology - Chennai	Academia	Pugazhenthii Subramanian Kalaim	Kelambakkam - Vandalur Rd, Rajan Nagar, Chennai, Tamil Nadu 600127, India	puga456@gmail.com	Multi-phase flows and multiple continua Biomedical and bioengineering applications Crash Biomechanics
125	Yangzhou University	Academia	Jinlian Ren	No. 180 Siwangting Road, Hanjiang District City: Yangzhou Region/State/County: Jiangsu Postal Code: 225002 Country: China	rjl20081223@126.com	Solid and Fracture Mechanics Disaster simulations High-Performance Computing Multi-phase flows and multiple continua Free surface flows and moving boundaries