

ICE2017

**13th International Conference
on Engines & Vehicles**

**FINAL
REPORT**

ICE2017
13th International Conference
on Engines & Vehicles

38
Papers
published on
Sae Journal

161
SAE official
Papers

161
Papers
presented

50
Companies

69
Universities

14
Research
Center

270
Abstracts
submitted

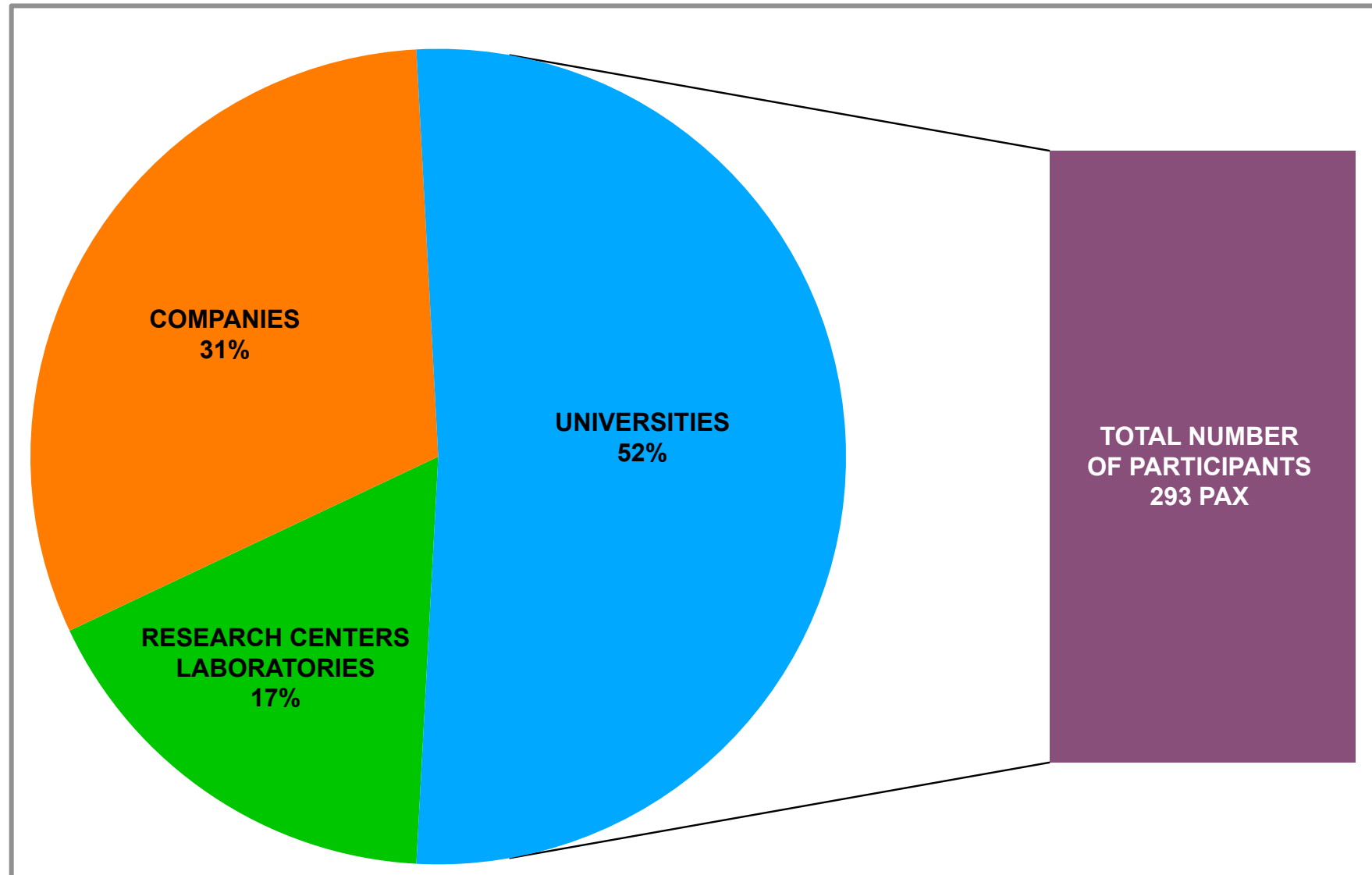
312
Registered
Participants

ICE2017

13th International Conference
on Engines & Vehicles

September 10 - 14, 2017 @ Capri, Napoli

PARTICIPANTS SORTED by AFFILIATION

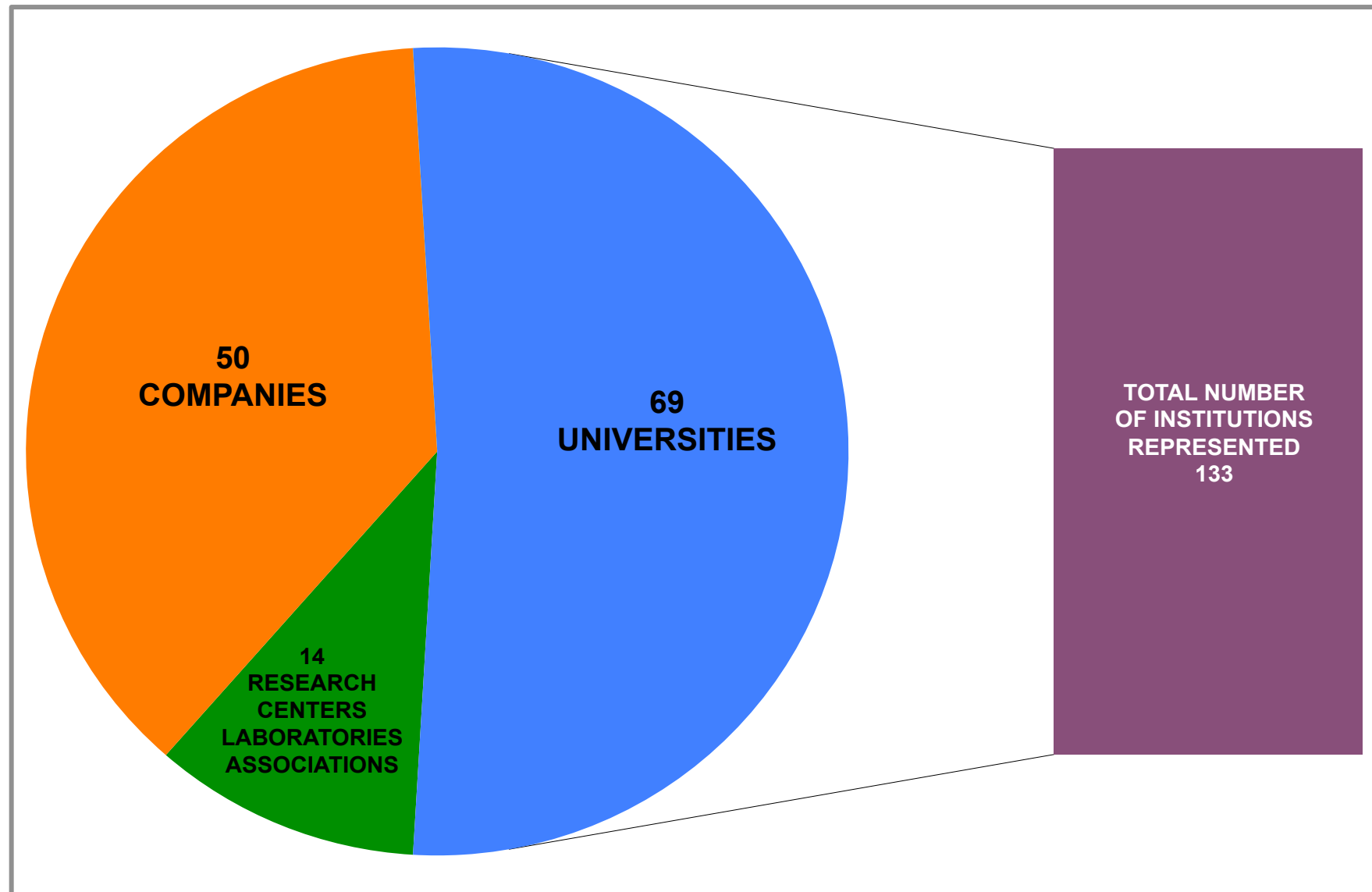


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INSTITUTIONS ATTENDING THE CONFERENCE



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UNIVERSITIES

1	BRANDENBURG UNIVERSITY OF TECHNOLOGY	24	LUND UNIVERSITY	47	UNIVERSITY OF BOLOGNA
2	CENTRALE INNOVATION	25	MEIJI UNIVERSITY	48	UNIVERSITY OF BRITISH COLUMBIA
3	CMT - UNIVERSITAT POLITÈCNICA DE VALÈNCIA	26	MIT	49	UNIVERSITY OF CALABRIA
4	CZECH TECHNICAL UNIVERSITY	27	NORTHUMBRIA UNIVERSITY	50	UNIVERSITY OF CAMBRIDGE
5	ECOLE CENTRALE DE NANTES	28	PLEKHANOV RUSSIAN UNIVERSITY OF ECONOMICS	51	UNIVERSITY OF CASSINO
6	EINDHOVEN UNIVERSITY OF TECHNOLOGY	29	POLYTECHNIC UNIVERSITY OF BARI	52	UNIVERSITY OF FLORENCE
7	EMPA	30	POLYTECHNIC UNIVERSITY OF MILANO	53	UNIVERSITY OF L'AQUILA
8	ETH ZURICH	31	POLYTECHNIC UNIVERSITY OF TORINO	54	UNIVERSITY OF LIBEREC
9	ETH, ZÜRICH / LIEBHERR MACHINES BULLE SA	32	QUEEN'S UNIVERSITY BELFAST	55	UNIVERSITY OF MICHIGAN
10	GHENT UNIVERSITY	33	RWTH AACHEN UNIVERSITY	56	UNIVERSITY OF MODENA E REGGIO EMILIA
11	HPE COXA	34	SCHOOL OF CHEMISTRY	57	UNIVERSITY OF NAPLES 'FEDERICO II'
12	IMPERIAL COLLEGE LONDON	35	SEOUL NATIONAL UNIVERSITY	58	UNIVERSITY OF ORLÉANS
13	INDIAN INSTITUTE OF TECHNOLOGY MADRAS	36	SURANAREE UNIVERSITY OF TECHNOLOGY	59	UNIVERSITY OF OXFORD
14	INSTITUTE OF AUTOMOTIVE ENGINEERING	37	TECHNICAL UNIVERSITY OF EINDHOVEN	60	UNIVERSITY OF PARMA
15	INSTITUTO SUPERIOR TÉCNICO	38	TECHNICAL UNIVERSITY OF MUNICH	61	UNIVERSITY OF PERUGIA
16	JOHANNES KEPLER UNIVERSITY LINZ	39	TRINITY COLLEGE DUBLIN	62	UNIVERSITY OF REGGIO EMILIA
17	KASETSART UNIVERSITY	40	TU BRAUNSCHWEIG	63	UNIVERSITY OF ROME TOR VERGATA
18	KASSELL UNIVERSITY	41	UMEÅ UNIVERSITY	64	UNIVERSITY OF SALENTO
19	KAUST	42	UNIVERSITÉ CATHOLIQUE DE LOUVAIN	65	UNIVERSITY OF SOUTHERN CALIFORNIA
20	KETTERING UNIVERSITY	43	UNIVERSITÉ DE VERSAILLES SAINT QUENTIN EN YVELINES (LISV)	66	UNIVERSITY OF STUTTGART
21	KAIST	44	UNIVERSITY NICCOLÒ CUSANO	67	UNIVERSITY OF TUSCIA
22	KTH	45	UNIVERSITY OF BATH	68	VKA RWTH AACHEN UNIVERSITY
23	LOGE AB	46	UNIVERSITY OF BAYREUTH	69	WEST VIRGINIA UNIVERSITY

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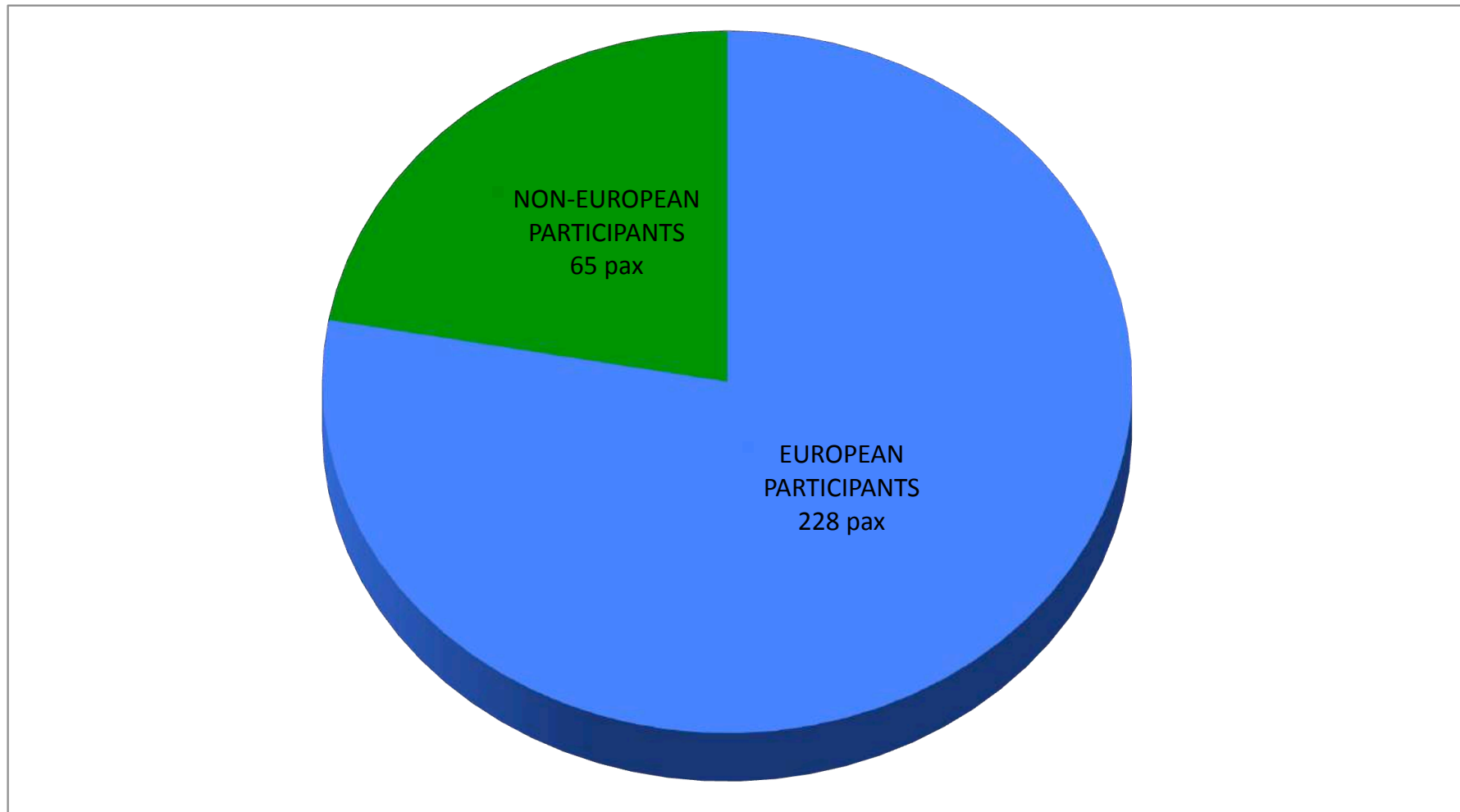
COMPANIES

1	AIRMODUS LTD.	26	IMAGINEERING, INC.
2	ARAMCO OVERSEAS COMPANY	27	ISUZU MOTORS GERMANY GMBH
3	AVL ITALIA	28	KISTLER ITALIA SRL
4	BMW GROUP WERK STEYR	29	KOHLER ENGINES EMEA - LOMBARDINI
5	BORG WARNER TURBO SYSTEMS ENGINEERING	30	KOREA AUTOMOTIVE TECNOLOGY
6	CENTRO RICERCHE FIAT	31	LIEBHERR MACHINES BULLES SA
7	CHANGAN AUTOMOBILE CO. LTD	32	LUBRIZOL CORPORATION
8	CONTINENTAL AUTOMOTIVE ITALY SPA	33	MAGNETI MARELLI SPA
9	CONVERGENT SCIENCE GMBH	34	MARMOTORS S.R.L.
10	DAIMLER AG	35	MISURE MECCANICHE SRL
11	DENSO AUTOMOTIVE DEUTSCHLAND GMBH	36	POWERTECH ENGINEERING SRL
12	ELDOR CORPORATION S.P.A.	37	RENAULT
13	ENI	38	RICARDO
14	FERRARI AUTO S.P.A.	39	SCANIA CV AB
15	FEV ERUOPE GMBH	40	SIAD
16	FIAT GROUP AUTOMOBILES S.P.A	41	SIEMENS
17	FORD AUS- UND WEITERBILDUNG E. V.	42	ST ELECTRONICS
18	FORD WERKE GMBH	43	TELOPS
19	FPT INDUSTRIAL S.P.A.	44	TEORESİ S.P.A.
20	FPT MOTORENFORSCHUNG AG	45	TSI / LUCHSINGER
21	GENERAL MOTORS GLOBAL PROPULSION SYSTEMS	46	UPM
22	GM OPEL	47	VIRTUELLES FAHRZEUG FORSCHUNGS
23	HYUNDAI KEFICO	48	VOLVO CAR CORPORATION
24	HYUNDAI MOTORS	49	VW MOTORSPORT GMBH
25	IAV GMBH	50	WARTSILA SPA

RESEARCH CENTERS / LABORATORIES ASSOCIATIONS

1	APTL/CPERI/CERTH
2	ARGONNE NATIONAL LABORATORY
3	FKFS - STUTTGART
4	IFP ENERGIES NOUVELLES
5	ICCT
6	ISTITUTO MOTORI - CNR
7	JOINT RESEARCH CENTRE
8	LABORATORY OF PLASMA PHYSICS
9	NATIONAL RENEWABLE ENERGY LABORATORY
10	NEW A.C.E. INSTITUTE CO., LTD.
11	OAK RIDGE NATIONAL LABORATORY
12	S.C.I.R.E
13	SANDIA NATIONAL LABORATORIES
14	SOUTHWEST RESEARCH INSTITUTE

PARTICIPANTS SORTED by COUNTRY of ORIGIN



EUROPEAN PARTICIPANTS
European Countries

228
13

NON-EUROPEAN PARTICIPANTS
Non-European Countries

65
11

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EUROPEAN PARTICIPANTS 228

European Countries 13

<u>COUNTRY</u>	<u>N° of PAX</u>
AUSTRIA	4
BELGIUM	3
CZECH REPUBLIC	4
FINLAND	2
FRANCE	19
GERMANY	26
GREECE	3
IRELAND	2
ITALY	153
NETHERLANDS	2
PORTUGAL	1
SPAIN	3
SWEDEN	6

NON EUROPEAN PARTICIPANTS 65

Non-European Countries 11

<u>COUNTRY</u>	<u>N° of PAX</u>
CANADA	2
CHINA	1
INDIA	2
JAPAN	3
REPUBLIC OF KOREA	7
RUSSIAN FEDERATION	1
SAUDI ARABIA	3
SWITZERLAND	8
THAILAND	2
UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	18
UNITED STATES OF AMERICA	18

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PLENARY LECTURES

Ewa Bardasz, Technical Fellow at Lubrizol | United States of America

Evolution of Engine Lubricants Technologies Enabling Improved Systems' Efficiency and Extended Durability

John Farrell, National Renewable Energy Laboratory | United States of America

Co-Optimization of Fuels and Engines (Co-Optima)

Damien Maroteaux, Renault | France

Investigations on Real World Fuel Consumption Reduction Potential of Hybrid Electric and Conventional Powertrain and Vehicles Using a Dedicated Simulation Platform

Doug Patton, SAE International President | United States of America

Death of IC Engine Again?

Dario Sacco, C.R.F. | Italy

Carbon Neutral Fuels for efficient ICE: an alternative towards Green Mobility

Christof Schernus, FEV | Germany

From T2W to LCA-zero-CO2 mobility concepts and their different shades of green

Kelly Senecal, Convergent Science | United States of America

Current state-of-the-art in fuel injection and spray modeling for internal combustion engine simulations

Richard Stone, Oxford University | United Kingdom

Optical Techniques That Can Be Applied to Investigate GDI Engine Combustion

Jim Szybist, Oak Ridge National Laboratory | United States of America

Pressure-Temperature Domain Analysis to Provide Insight into Autoignition Processes in SI Engines at High Operating Load

THE PLENARY LECTURES OF OUR KEYNOTE SPEAKERS ARE AVAILABLE FOR DOWNLOAD AT THIS [LINK](#)

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THANK YOU!

SAENAPLES

An SAE International Section

invites you to save the date for the

ICE2019

14th International Conference ^{on} Engines & Vehicles

September 15th -19th 2019 @ Capri, Napoli