1. Argonne National Laboratory; Aramco Research Center
   Torelli, R., Sforzo, B., Matusik, K., Kastengren, A., Fezzaa, K., Powell, C., Som, S., Pei, Y., Tzanetakis, T.,
   Zhang, Y., Traver, M., and Cleary, D., "Investigation of Shot-To-Shot Variability during Short
   Injections," 14th International Conference on Liquid Atomization & Spray Systems, Chicago, IL,

2. National Research Council, Canada; University of Manitoba
   10.1016/j.apenergy.2018.08.017

3. Technion – Israel Institute of Technology
   Faingold, G., Tartakovsky, L., and Frankel, S.H., "Numerical Study of a Direct Injection Internal
   Combustion Engine Burning a Blend of Hydrogen and Dimethyl Ether," Drones, 2(3), 2018. DOI:
   10.3390/drones2030023

4. Shandong University; Hebei University of Technology; Weichai Holding Group Co., Ltd.
   Li, M., Zhang, Q., Liu, X., Ma, Y., and Zheng, Q., "Soot Emission Prediction in Pilot Ignited Direct
   Injection Natural Gas Engine Based on n-Heptane/Toluene/Methane/PAH Mechanism," Energy, 163,
   660-681, 2018. DOI: 10.1016/j.energy.2018.08.102

5. Shanghai Jiao Tong University; Lund University; Dalian University of Technology
   Xu, L., Bai, X.-S., Jia, M., Qian, Y., Qiao, X., and Lu, X., "Experimental and Modeling Study of Liquid
   Fuel Injection and Combustion in Diesel Engines with a Common Rail Injection System," Applied

6. Tianjin University
   Lu, H., Yao, A., Yao, C., Chen, C., and Wang, B., "An Investigation on the Characteristics of and
   DOI: 10.1016/j.fuel.2018.08.061

7. Beijing Institute of Technology
   Liu, F., Shi, Z., Hua, Y., Kang, N., Li, Y., and Zhang, Z., "Study on the Misalignment between the
   Maximum-Volume-Efficiency IVC and the None-Backflow IVC on a Single Cylinder Diesel Engine,”
   Journal of Engineering for Gas Turbines and Power, 2018. DOI: 10.1115/1.4041169
8. **National Research Council, Canada; University of Manitoba**  

9. **Pinnacle Engines; Oak Ridge National Laboratory; Convergent Science**  

10. **Wayne State University; University of Cincinnati**  

11. **National Research Council, Canada; West Virginia University**  

12. **National Research Council, Canada; Tianjin University; West Virginia University**  

13. **Kocaeli University; Sakarya University**  

14. **DENSO Corporation; ACS Co., Ltd.**  

15. **Convergent Science**  
16. **Federal University of Santa Catarina**

17. **Argonne National Laboratory; Convergent Science; University of Connecticut**

18. **Stanford University; U.S. Army Research Laboratory**

19. **University of Illinois at Chicago**

20. **University Center of Nâama; Research Laboratory LTE-ENPO**

21. **Shanghai Jiao Tong University**

22. **Shanghai Jiao Tong University**

23. **Shanghai Jiao Tong University**
24. **MOE Key Laboratory for Power Machinery and Engineering**

25. **The Ohio State University**

26. **Aramco Services Company**

27. **National Institute of Technology, Warangal, India**

28. **AMRDEC-ADD; Stanford University; U.S. Army Research Laboratory**

29. **U.S. Army Research Laboratory; Iowa State University; University of California, San Diego**

30. **General Motors; Lawrence Livermore National Laboratory; Oak Ridge National Laboratory**
31. **Argonne National Laboratory; Convergent Science; Purdue University; University of South Carolina**


32. **Argonne National Laboratory; Convergent Science; Purdue University**


33. **Argonne National Laboratory; Convergent Science; Purdue University**


34. **University of Maryland; U.S. Army Research Laboratory; Convergent Science; AMRDEC-ADD**


35. **Wayne State University**


36. **U.S. Army Research Laboratory; Wayne State University**


37. **General Motors; University of Massachusetts**


38. **National Institute of Technology, Warangal, India**

39. **National Research Council, Canada; University of Manitoba**

40. **Convergent Science**

41. **IFP Energies Nouvelles; Convergent Science**

42. **University of Oxford**

43. **University of Michigan–Ann Arbor**

44. **Purdue University; Convergent Science**

45. **Aramco Services Company; Convergent Science**

46. **Convergent Science; GE Global Research Center; Oak Ridge National Laboratory**
47. **General Motors**

48. **Convergent Science; Michigan State University**

49. **Ecole Nationale Polytechnique d’Oran**

50. **University of Massachusetts Lowell**

51. **University of Massachusetts Lowell**

52. **Universitat Politècnica de València**

53. **Tsinghua University; China Agricultural University; Aero Engine Academy of China**

54. **King Abdullah University of Science and Technology**
55. **Ford Research Center Aachen; RWTH Aachen University; University of Illinois Urbana-Champaign; Ford Research Center**  

56. **University of Rome Tor Vergata; Istituto Motori CNR**  

57. **RWTH Aachen University; Ford Research Center Aachen**  

58. **University of Oxford; Jaguar Land Rover Ltd.**  

59. **Renault SAS**  

60. **Saudi Aramco; King Abdullah University of Science and Technology**  

61. **Aramco Research Center**  

62. **University of Massachusetts Dartmouth; Michigan Technological University; Argonne National Laboratory**  
63. **Argonne National Laboratory; Georgia Institute of Technology; Sandia National Laboratories; Universitat Politècnica de València; Università degli Studi di Perugia; Monash University**

64. **Sandia National Laboratories; Argonne National Laboratory**

65. **Argonne National Laboratory; Convergent Science; Bennett University**

66. **Michigan Technological University**

67. **Convergent Science; ISUZU Advanced Engineering Center Ltd.; Isuzu Technical Center of America, Inc.**

68. **Universitat Politècnica de València; Argonne National Laboratory**

69. **Caterpillar Inc.**

70. **University of Connecticut; Universitat Politècnica de València; Convergent Science; Argonne National Laboratory**
71. **SUNY-Stonybrook; Stony Brook University**

72. **Convergent Science; Argonne National Laboratory; Aramco Research Center**

73. **King Abdullah University of Science and Technology**

74. **Argonne National Laboratory; Aramco Research Center**

75. **Argonne National Laboratory; Michigan Technological University; University of Massachusetts Dartmouth**

76. **University of Michigan; Carnegie Mellon University; General Motors LLC**

77. **King Abdullah University of Science and Technology; Saudi Aramco**

78. **IFP Energies Nouvelles; Politecnico di Torino; Renault**
79. **Texas Tech University; John Deere Power Systems**  

80. **Brandenburg University of Technology; LOGE Deutschland GmbH; LOGE AB**  

81. **Stony Brook University**  

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85. **Isuzu Technical Center of America, Inc.**  

86. **Hyundai Motor Company**  

87. **University of Connecticut, Storrs; Wayne State University**  
88. **Convergent Science**

89. **General Motors; Lawrence Livermore National Laboratory; Oak Ridge National Laboratory**

90. **IDAJ Co. LTD; AVIC**

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92. **Argonne National Laboratory**

93. **Argonne National Laboratory; Convergent Science**

94. **Toyota Motor Corporation**

95. **Southwest Research Institute**
96. Politecnico di Torino; Gamma Technologies; Argonne National Laboratory

97. University of Wisconsin–Madison; Hunan University

98. POWERTECH Engineering; Wartsila Italia

99. Ford Motor Company

100. Universitat Politècnica de València; Argonne National Laboratory

101. Indian Institute of Technology Madras

102. Federal University of Santa Catarina; EMBRACO

103. RWTH Aachen University
104. **Stony Brook University**

105. **Università degli Studi di Perugia; Magneti Marelli**

106. **University of Rome Tor Vergata**

107. **University of Illinois at Chicago**

108. **Indian Institute of Technology Madras**

109. **Marquette University**

110. **Tianjin University; Guilin University of Aerospace Technology**

111. **Tsinghua University**
112. **Argonne National Laboratory**

113. **Tianjin University**

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115. **Tianjin University**

116. **Tsinghua University; China Agricultural University**

117. **University of Wisconsin–Madison; Tsinghua University**

118. **VIT University**

119. **Tianjin University**
120. **U.S. Army Research Laboratory; NAVAIR; NASA Glenn Research Center; AMRDEC-ADD**

121. **Tianjin University**

122. **Shanghai Jiao Tong University**

123. **West Virginia University; Tianjin University; National Research Council, Canada**

124. **West Virginia University; Tianjin University; National Research Council, Canada**

125. **University of Oxford; Jaguar Land Rover**

126. **Argonne National Laboratory**

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128. **Argonne National Laboratory**

129. **Continental Automotive France; Capital University of Science and Technology, Pakistan; École Centrale de Lyon; Université Claude Bernard-Lyon; Institut National de Sciences Appliquées, Lyon**

130. **IUPUI**

131. **Universiti Kebangsaan Malaysia**

132. **Woodward, Inc.; Colorado State University**

133. **General Motors**

134. **North Carolina State University; Argonne National Laboratory**
136. **Argonne National Laboratory; Lawrence Livermore National Laboratory; University of Connecticut**

136. **Argonne National Laboratory; North Carolina State University**

137. **Argonne National Laboratory; Cummins Inc.**

138. **Automotive Research Association of India**

139. **Cameron**

140. **GE Global Research Center; Convergent Science; King Abdullah University of Science and Technology; Oak Ridge National Laboratory**

141. **Honda Motor Co. Ltd.**

142. **Argonne National Laboratory; Convergent Science; Aramco Research Center**
143. **Colorado School of Mines; National Renewable Energy Laboratory**  

144. **YANMAR Co., Ltd.; IDAJ Co. LTD; Convergent Science**  

145. **New Ace Inst. Co. Ltd.**  

146. **Tohoku University; Keihin Corp.**  

147. **Marquette University**  

148. **Brandenburg University of Technology; Loge AB-Lund Combustion Engineering; Groupe Renault**  

149. **Brandenburg University of Technology; Loge AB-Lund Combustion Engineering; Groupe Renault**  

150. **Brandenburg University of Technology; Loge AB-Lund Combustion Engineering; Groupe Renault**  
151. **U.S. Military Academy**

152. **Carnegie Mellon University; University of Cassino and Lazio Meridionale**

153. **Southwest Research Institute**

154. **École des Mines de Nantes; Laboratoire de Recherche en Technologie de l’Environnement**

155. **Delphi; Wayne State University**

156. **Universitat Politècnica de València; Volvo**

157. **Michigan Technological University; Nostrum Energy LLC**

158. **Michigan Technological University; Argonne National Laboratory; U.S. Army Research Laboratory**
159. **Michigan Technological University**  

160. **Michigan Technological University; Argonne National Laboratory**  

161. **Michigan Technological University**  

162. **Wayne State University; Delphi**  

163. **Wayne State University; Delphi**  

164. **Wayne State University; Delphi**  

165. **Loge AB-Lund Combustion Engineering; Chalmers University of Technology; Brandenburg University of Technology**  

166. **Texas A&M University; Cameron**  
167. Texas A&M University; GE Oil & Gas

168. Universidade do Minho

169. Prometheus Applied Technologies, LLC; Colorado State University

170. University of Illinois at Chicago

171. Georgia Institute of Technology

172. Georgia Institute of Technology

173. Stanford University; Technische Universität Darmstadt; University of Michigan

174. Stanford University; Technische Universität Darmstadt; University of Michigan
175. **Gamma Technologies**

176. **Convergent Science; Loge AB–Lund Combustion Engineering; Caterpillar Inc.**

177. **Argonne National Laboratory; University of Connecticut**

178. **LiquidPiston Inc.**

179. **West Virginia University; National Research Council, Canada**

180. **Altronic Hoerbiger; Prometheus Applied Technologies, LLC**

181. **Altronic Hoerbiger; Prometheus Applied Technologies, LLC**

182. **Groupe Renault; Convergent Science**

CONVERGECFD.com
183. **Caterpillar Inc.**


184. **Convergent Science; University of Duisburg-Essen; Caterpillar Inc.; GE Global Research Center**


185. **King Abdullah University of Science and Technology; University of Hiroshima**


186. **DENSO Corporation; Japan Automobile Research Institute**


187. **Argonne National Laboratory**


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192. **Argonne National Laboratory; Convergent Science**

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196. **Caterpillar Inc.**

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198. **University of Michigan-Ann Arbor**
199. **Georgia Institute of Technology**

200. **General Motors**

201. **Carnegie Mellon University; Mississippi State University; Argonne National Laboratory**


203. **GE Global Research Center; Oak Ridge National Laboratory; Convergent Science**

204. **Wayne State University; US Army TARDEC**

205. **Chrysler Group LLC**

206. **Convergent Science; Argonne National Laboratory**
207. **Universiti Kebangsaan Malaysia**  

208. **Rensselaer Polytechnic Institute**  

209. **Cummins; Argonne National Laboratory; Convergent Science**  

210. **Chrysler Group LLC; Argonne National Laboratory**  

211. **Prometheus Applied Technologies, LLC; GDEC**  

212. **Wayne State University**  

213. **Weichai Power Emissions Solutions Company**  

214. **Michigan Technological University; Argonne National Laboratory**  
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217. **Michigan Technological University; Nostrum Energy LLC**

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222. **Argonne National Laboratory; Michigan Technological University**
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224. **Prometheus Applied Technologies, LLC; GDEC**  

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226. **General Motors R&D**  

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233. **Università degli Studi di Perugia; University of Massachusetts; Convergent Science; Argonne National Laboratory**  

234. **Università degli Studi di Perugia; Argonne National Laboratory**  

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236. **Hunan University; University of Wisconsin–Madison**  

237. **Tianjin University; Chongqing Changan Automobile Co., Ltd.**  

238. **Sandia National Laboratories; University of California, Berkeley**  
239. **Convergent Science; Indiana University – Purdue University Indianapolis**

240. **Convergent Science**

241. **Convergent Science; GE Global Research Center**

242. **Technical University of Denmark; Università degli Studi di Perugia; Sandia National Laboratories**

243. **Mississippi State University; Argonne National Laboratory**

244. **Convergent Science; Chrysler Group LLC; Argonne National Laboratory**

245. **Convergent Science; North Carolina State University; Argonne National Laboratory**
246. San Diego State University; Purdue University; Argonne National Laboratory

247. University of Nottingham; University of Birmingham; Tsinghua University

248. RWTH Aachen University; Complexe de Recherche Interprofessionnel en Aérothermomachimie

249. Caterpillar Inc.; Southwest Research Institute

250. Prometheus Applied Technologies, LLC; GDEC; Altronic Hoerbiger

251. Prometheus Applied Technologies, LLC

252. Prometheus Applied Technologies, LLC; Hoerbier; Altronic, LLC

253. Argonne National Laboratory; Aramco Research Center
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255. **Weichai Power Emissions Solutions Company; Tsinghua University**  

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259. **Ecole Militaire Polytechnique, Algeria; Ecole des Mines de Nantes, France; Université de Boumerdes, Algeria**  

260. **Wayne State University; Xian Jiaotong University**  

261. **Mainstream Engineering Corporation; U.S. Army Tank Automotive Research Development and Engineering Center**  
262. **Isuzu Technical Center of America, Inc.; Convergent Science**  

263. **Allison Transmission India Pvt. Ltd.; Groupe Renault Nissan Tech. Business Center India Pvt. Ltd.; Saveetha Engineering College; Madras Institute of Technology**  

264. **Technische Universität Wien**  

265. **Argonne National Laboratory; Sandia National Laboratories; Imperial College London; Polytechnic University of Milan**  

266. **Prometheus Applied Technologies, LLC; GEC Inc.**  

267. **Prometheus Applied Technologies, LLC; Altronic Hoerbiger**  

268. **Prometheus Applied Technologies, LLC**  

269. **Argonne National Laboratory; Convergent Science**  
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279. University of Illinois at Chicago


280. Saudi Aramco; King Abdullah University of Science and Technology


281. King Abdullah University of Science and Technology; Saudi Aramco


282. Sandia National Laboratories; King Abdullah University of Science and Technology; IFPEN; Meiji University; Technical University of Denmark; Universitat Politècnica de València; Argonne National Laboratory; University of Wisconsin; Politecnico di Milano; ETH Zurich; University of New South Wales


283. Carnegie Mellon University; Pennsylvania State University


284. University of California, Berkeley; KAUST


285. University of Michigan; University of Wisconsin; Pennsylvania State University; Sandia National Laboratories; Technische Universität Darmstadt; General Motors

286. Convergent Science; Argonne National Laboratory; Cummins

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291. Convergent Science; Caterpillar Inc.

292. Convergent Science

293. Convergent Science; Caterpillar Inc.; Sandia National Laboratories
Convergent Science; Argonne National Laboratory; Cummins
Senecal, P.K., Mitra, S., Pomraning, E., Xue, Q., Som, S., Banerjee, S., Hu, B., Liu, K., Rajamohan, D.,
and Deur, J.M., "Modeling Fuel Spray Vapor Distribution with Large Eddy Simulation of Multiple
Realizations," *Proceedings of the ASME 2014 Internal Combustion Engine Division Fall Technical

Brandenburg University of Technology; Loge AB-Lund Combustion Engineering; Chalmers
University of Technology
Reduction of Detailed Chemical Reaction Mechanisms for Engine Applications," *Journal of
Engineering for Gas Turbines and Power*, 139(9), 091701, 2017. DOI: 10.1115/1.4036093

University of Michigan; General Motors
Schiffmann, P., Gupta, S., Reuss, D., Sick, V., Yang, X., and Kuo, T.-W., "TCCIII - Engine Benchmark for
Large Eddy Simulation of IC Engine Flows," *Oil & Gas Science and Technology*, 71(1), 1-27, 2016. DOI:
10.2516/ogst/2015028

Argonne National Laboratory
Scarcelli, R., Sevik, J., Wallner, T., Richards, K., Pomraning, E., and Senecal, P.K., "Capturing Cyclic
Internal Combustion Engine Division Fall Technical Conference*, ICEF2015-1045, Houston, TX, United

Argonne National Laboratory
Scarcelli, R., Sevik, J., Wallner, T., Richards, K., Pomraning, E., and Senecal, P.K., "Capturing Cyclic
Internal Combustion Engine Division Fall Technical Conference*, ICEF2015-1045, Houston, TX, United

Convergent Science; Argonne National Laboratory
Scarcelli, R., Matthias, N.S., and Wallner, T., "Numerical and Experimental Analysis of Ignition and
Combustion Engine Division Fall Technical Conference*, ICEF2014-5607, Columbus, IN, United States,

University of Perugia; Convergent Science; Argonne National Laboratory
Saha, K., Som, S., Battistoni, M., Li, Y., Quan, S., and Senecal, P.K., "Numerical Simulation of Internal
Series*, 656, 012100, 2015. DOI: 10.1088/1742-6596/656/1/012100
301. Argonne National Laboratory; University of Perugia; Convergent Science

302. Argonne National Laboratory; Università degli Studi di Perugia; Convergent Science

303. Argonne National Laboratory; Università degli Studi di Perugia

304. Argonne National Laboratory; Convergent Science; University of Perugia

305. Convergent Science

306. Convergent Science; Argonne National Laboratory

307. University of Waterloo

308. University of Waterloo
309. **Indian Institute of Technology Madras**


310. **Loge AB-Lund Combustion Engineering; Groupe Renault**


311. **Groupe Renault**


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313. **Convergent Science; Argonne National Laboratory**


314. **Convergent Science**


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316. **Lawrence Livermore National Laboratory; Convergent Science**

317. **Convergent Science**  

318. **Cummins; Convergent Science; Argonne National Laboratory**  

319. **Cummins; Convergent Science**  

320. **Sandia National Laboratories; Convergent Science; Argonne National Laboratory**  

321. **SmartUQ; Convergent Science**  

322. **Convergent Science**  

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334. Convergent Science; Chrysler Group LLC

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338. University of Waterloo; General Motors

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342. **National Institute of Technology, Warangal, India**

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345. **IFP Energies Nouvelles; Groupe Renault**

346. **Ford Motor Company; Chalmers University of Technology; Loge AB-Lund Combustion Engineering; Brandenburg University of Technology**

347. **FEV**

348. **Gamma Technologies; Politecnico di Torino**
349. **Lawrence Livermore National Laboratory**  

350. **Southwest Research Institute**  

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355. **Università degli Studi di Perugia; University of Massachusetts; Argonne National Laboratory**  
356. **Convergent Science**  

357. **Convergent Science; Parker Hannifin Corporation**  

358. **Convergent Science**  

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361. **Electro-Motive Diesel Inc.**  

362. **Electro-Motive Diesel Inc.**  
363. **Westport Fuel Systems**  

364. **Electro-Motive Diesel Inc.**  

365. **General Motors**  

366. **Southwest Research Institute**  

367. **FEV**  

368. **Michigan Technological University; WM International Engineering**  

369. **Michigan Technological University**  

370. **MAHLE Powertrain**  
371. **Woodward, Inc.**  

372. **IFP Energies Nouvelles; Convergent Science**  

373. **Sandia National Laboratories; Lawrence Livermore National Laboratory; Massachusetts Institute of Technology; University of California, Berkeley**  

374. **SAIC Motor Corporation Ltd**  

375. **JP SCOPE, Inc.; Czero Inc.; University of Bath; Anderson Consulting**  

376. **Clemson University**  

377. **Indian Institute of Technology Bombay**  
378. **University of Maryland; U.S. Army Research Laboratory**

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383. **University of Kansas**

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385. **University of Kansas**

386. **École des Mines de Nantes; Laboratoire de Recherche en Technologie de l'Environnement**

387. **Laboratoire de Recherche en Technologie de l'Environnement; École des Mines de Nantes**

388. **IFP Energies Nouvelles; Convergent Science**

389. **Universitat Politècnica de València; Groupe Renault**

390. **Universitat Politècnica de València; Groupe Renault**

391. **Universitat Politècnica de València; Groupe Renault**
392. **Altronic Hoerbiger**  

393. **Università degli Studi di Perugia; Argonne National Laboratory; Convergent Science**  

394. **Università degli Studi di Perugia; Argonne National Laboratory**  

395. **Università degli Studi di Perugia**  

396. **Argonne National Laboratory**  

397. **Electro-Motive Diesel Inc.**  

398. **Saudi Aramco; King Abdullah University of Science and Technology**  

399. **Saudi Aramco Dhahran; King Abdullah University of Science and Technology**  
400. **Saudi Aramco; King Abdullah University of Science and Technology**  

401. **JP SCOPE, Inc.; Czero Inc.**  

402. **University of Michigan**  

403. **University of Michigan**  

404. **University of Michigan; Hyundai-Kia America Technical Center Inc**  

405. **ISUZU Advanced Engineering Center Ltd.**  

406. **Tianjin University; Tianjin Internal Combustion Engine Magnetic Motor Co., Ltd.; Chongqing Changan Automobile Co., Ltd.; Changan Automobile Engineering Institute**  

407. **General Motors R&D; Argonne National Laboratory**  
408. **Argonne National Laboratory**

409. **Argonne National Laboratory**

410. **Southwest Research Institute**
Abidin, Z., Hoag, K., Mckee, D., and Badain, N., "Port Design for Charge Motion Improvement within the Cylinder," SAE Paper 2016-01-0600, 2016. DOI: 10.4271/2016-01-0600

411. **Indian Institute of Technology Bombay**

412. **King Abdullah University of Science and Technology**

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414. **University of Illinois at Chicago; Convergent Science**

415. **Indian Institute of Technology Madras**
416. **Indian Institute of Technology Madras**  

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418. **Southwest Research Institute**  

419. **University of Connecticut; Rensselaer Polytechnic Institute; Georgia Southern University**  

420. **Wayne State University; Shanghai Jiao Tong University; Georgia Southern University**  

421. **Georgia Southern University; Army Research Laboratory**  

422. **Georgia Southern University**  