SELECTED BIBLIOGRAPHY FOR CONVERGENT SCIENCE & CONVERGE CFD SOFTWARE

Updated July 5, 2021

1. General Motors

2. ETH Zurich

3. Argonne National Laboratory

4. Indian Institute of Technology Madras

5. Convergent Science

6. National Research Council, Canada; University of Manitoba

7. Michigan State University

8. Michigan State University

9. University of Massachusetts Amherst; Convergent Science; Sandia National Laboratories

10. Convergent Science; Munzur University
11. **Argonne National Laboratory**

12. **Argonne National Laboratory**

13. **Università degli Studi di Perugia; Istituto Motori CNR**

14. **Politecnico di Torino**

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22. **Texas Tech University; The University of Tennessee, Knoxville**  

23. **ClearFlame Engines, Inc.**  

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28. **Shandong Jiaotong University; Harbin Engineering University**  

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30. **Argonne National Laboratory**  

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32. **The University of Texas at Austin**  

33. **The University of Texas at Austin; Cummins Inc.**  

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35. **Argonne National Laboratory**  

36. **The University of Melbourne; Continental; KU Leuven**  

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39. **CMT-Motores Térmicos; Groupe Renault**  

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45. **Seoul National University; Hyundai Motor Company**  

46. **IFP Energies nouvelles; Convergent Science**  

47. **Clemson University; Oak Ridge National Laboratory; Daimler Trucks North America**  

48. **King Abdullah University of Science and Technology; Volvo Group**  

49. **University of Wisconsin–Madison**  

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51. **Universitat Politècnica de València; POWERTECH Engineering**  

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53. **Gamma Technologies**  
54. **Aramco Research Center**  

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56. **Saudi Aramco**  

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58. **Marmara University**  

59. **Technische Universität München**  

60. **Technische Universität München**  

61. **Technische Universität München**  

62. **RWTH Aachen University; University of Stuttgart**  

63. **RWTH Aachen University; FEV Europe GmbH**  

64. **RWTH Aachen University**  
65. **Aristotle University of Thessaloniki**

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77. **FEV**  

78. **Sepuluh Nopember Institute of Technology**  

79. **Marquette University**  

80. **Guangxi University; Guangxi Yuchai Machinery Group Co., Ltd.; Zhengzhou Yutong Bus Co., Ltd.**  

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86. State Key Laboratory of Power System of Tractor; Xi'an Jiaotong University; Wuhan University of Technology

87. Amrita Vishwa Vidyapeetham; Renault Nissan Technology and Business Centre India

88. Beijing Institute of Technology; Collaborative Innovation Center of Electric Vehicles in Beijing

89. University of Minnesota

90. CMT-Motores Térmicos

91. Technion – Israel Institute of Technology

92. King Abdullah University of Science and Technology

93. Huazhong University of Science and Technology; Texas Tech University; Shanghai Jiao Tong University

94. Tongji University; Smapow Engine Company; Xi'an Jiaotong University

95. Hebei University of Technology; Shandong University; China Automotive Technology & Research Center Co., Ltd.
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| 98. **Convergent Science**  
| 99. **Inha University**  
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| 101. **CMT-Motores Térmicos; Argonne National Laboratory**  
| 102. **Inha University**  
| 103. **Chalmers University of Technology; Winterthur Gas & Diesel Ltd.; National Technical University of Athens**  
| 104. **Argonne National Lab; Convergent Science; Air Force Research Laboratory**  
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109. Argonne National Laboratory

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111. Ford Motor Company

112. Argonne National Laboratory; U.S. Army Research Laboratory; Lawrence Livermore National Laboratory

113. Convergent Science; Argonne National Laboratory; University of California, Irvine

114. Argonne National Laboratory; Sandia National Laboratories

115. Argonne National Laboratory; Sandia National Laboratories

116. Aramco Services Company

117. Colorado State University; Cummins Inc.
118. **Argonne National Laboratory; Aramco Services Company; Convergent Science; FRIENDSHIP SYSTEMS AG**

119. **Argonne National Laboratory; Aramco Services Company**

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121. **Convergent Science; IFP Energies nouvelles**

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134. **Colorado State University; Colorado School of Mines**

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136. Carnegie Mellon University

137. Perto Gestão de Tecnologia S.A.; University of São Paulo

138. Politecnico di Torino; Università degli Studi di Perugia; POWERTECH Engineering; PUNCH Torino S.p.A.

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141. Norwegian University of Science and Technology

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147. North Carolina State University; Argonne National Laboratory

148. Beijing Institute of Technology; China North Engine Research Institute; Université d’Orléans

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

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151. Argonne National Laboratory; Parallel Works Inc.

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153. Oakland University; Texas Tech University

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156. POWERTECH Engineering; Politecnico di Torino

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168. **Hunan University; University of Canterbury; Guizhou University**
169. **Shanghai Jiao Tong University; China Liaohe Petroleum Engineering Co., Ltd.**

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218. National Institute of Technology Meghalaya

219. Politecnico di Torino; POWERTECH Engineering; General Motors Global Propulsion Systems

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228. **Hino Motors, Ltd.; Sandia National Laboratories; Argonne National Laboratory**

229. **Saudi Aramco; Doosan Infracore**

230. **University of Oxford**

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233. **Clemson University**

234. **Sandia National Laboratories; Hino Motors, Ltd.**
235. Sandia National Laboratories

236. Saudi Aramco; King Abdullah University of Science and Technology; Aramco Research Center; Argonne National Laboratory; FRIENDSHIP SYSTEMS AG

237. Tianjin University; BAIC Motor Powertrain Co., Ltd.

238. Tianjin University

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240. University of Massachusetts Lowell

241. Politecnico di Torino; POWERTECH Engineering; Università degli Studi di Perugia; Cornaggia S.p.A.; STSE S.r.l.

242. University of Connecticut; Université Larbi Ben M’hidi

243. Tianjin University; Brunel University London

244. FEV Europe GmbH; Max Planck Institute for Chemical Energy Conversion; Instituto de Tecnología Química; Vrije Universiteit Brussel; VTT Technical Research Centre of Finland Ltd; OWI Oel-Waerme-Institut gGmbH; TEC4FUELS GmbH; INERATEC GmbH; RWTH Aachen University; Uniresearch
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255. Marmara University

256. Manchester Metropolitan University; King Abdullah University of Science and Technology; University of Hiroshima

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262. Indian Institute of Technology Bombay; Cummins Inc.

263. Stony Brook University

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266. National Renewable Energy Laboratory; University of Connecticut

267. Imperial College London; The University of Melbourne; University of Brighton

268. Guangxi University; Guangxi Yuchai Machinery Group Co., Ltd.; Zhengzhou Yutong Bus Co., Ltd.

269. University of Ulsan; Indonesian Institute of Sciences

270. National Institute of Advanced Industrial Science and Technology

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273. Sandia National Laboratories; Oregon State University

274. University of Rome Tor Vergata; University of Salento; HELMo Gramme

275. Isuzu Advanced Engineering Center, Ltd.; Yokohama National University

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277. **RWTH Aachen University; Ford-Werke GmbH; Ford Research Center Aachen**

278. **Chalmers University of Technology**

279. **Argonne National Laboratory**

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

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285. **Texas Tech University; Oakland University**

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288. **Navistar, Inc.**

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293. **Michigan Technological University; Aramco Research Center - Detroit**

294. **Argonne National Laboratory; University of Illinois Urbana-Champaign; Indian Institute of Technology Delhi**

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298. **Tianjin University**  

299. **Purdue University**  

300. **Hunan University; Xihua University**  

301. **Saudi Aramco**  

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304. **GE Global Research Center; Baker Hughes Company; The University of Oklahoma**  

305. **Indian Institute of Technology Bombay; Cummins Inc.**  

306. **Tongji University**  

307. **Università degli Studi di Perugia**  
308. **New Ace Inst. Co. Ltd.; IFP Energies nouvelles**  

309. **Universitat Politècnica de València**  

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311. **IFP Energies nouvelles; Convergent Science**  

312. **University of Ulsan; Indonesian Institute of Sciences**  

313. **Beijing Institute of Technology; Hebei University of Engineering**  

314. **Politecnico di Bari; Istituto Motori CNR**  

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316. **CMT-Motores Técnicos**  

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319. **Convergent Science**  

320. **Convergent Science; Caterpillar Inc.; Sandia National Laboratories**  

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

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327. **Ecole Nationale Polytechnique d’Oran; LTE Laboratory; University Center of Nâama; University of Abou Bekr Belkaid Tlemcen; Institute Mines-Telecom Atlantique de Nantes, France**  

328. **RWTH Aachen University**  
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332. **RWTH Aachen University; Ford-Werke GmbH**  

333. **University of Ulsan; Indonesian Institute of Sciences**  

334. **Tianjin University**  

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

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344. **Argonne National Laboratory; Convergent Science; University of Massachusetts Amherst**

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

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

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

348. **Università degli Studi di Perugia; University of Bologna**

349. **Argonne National Laboratory; Università degli Studi di Perugia**
350. Indian Institute of Technology Delhi; Università degli Studi di Perugia; Argonne National Laboratory; University of Waterloo

351. Università degli Studi di Perugia; Argonne National Laboratory

352. Argonne National Laboratory; Università degli Studi di Perugia

353. Università degli Studi di Perugia; Argonne National Laboratory

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

355. Michigan State University; Convergent Science

356. Hunan University; Xihua University; University of Canterbury; Shenzhen University

357. Tianjin University; China Shipbuilding Power Engineering Institute Co., Ltd.

358. University of Michigan; General Motors R&D

359. Brandenburg University of Technology; LOGE AB; Renault SAS
361. Indian Institute of Technology Bombay; Cummins Inc.  

362. FEV  

363. Prometheus Applied Technologies, LLC; Universität der Bundeswehr München  

364. ABB Turbo Systems  

365. Oak Ridge National Laboratory; ExxonMobil Research & Engineering; MAHLE Powertrain; Hans Jensen Lubricators  

366. Tianjin University; China Shipbuilding Power Engineering Institute Co., Ltd.  

367. Woodward, Inc.  

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372. **Harbin Engineering University; HOERBIGER Wien GmbH**

373. **Shanghai Jiao Tong University; China Shipbuilding Power Engineering Institute Co., Ltd.**

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375. **Harbin Engineering University**

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377. **Hebei University of Technology; Tianjin University; University of Strathclyde; China Shipbuilding Power Engineering Institute Co., Ltd.**

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382. Tianjin University; China Shipbuilding Power Engineering Institute Co., Ltd.  

383. Stony Brook University  

384. Shenzhen University; Chongqing University; Hunan University  

385. Amrita Vishwa Vidyapeetham; Renault Nissan Technology and Business Centre India; Renault SAS  

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403. **Beijing Institute of Technology; Collaborative Innovation Center of Electric Vehicles in Beijing**

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412. **University of Manitoba; National Research Council, Canada**
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418. **Aramco Services Company; Argonne National Laboratory**  

419. **Tianjin University; Brunel University London; China North Engine Research Institute**  

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421. **Argonne National Laboratory; University of Perugia; Bennett University**  

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424. **Gardner Denver Schopfheim GmbH**

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430. **Hiltner Combustion Systems; Caterpillar Inc.**

431. **General Motors; AVL Dacolt**

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433. **Pinnacle Engines; Oak Ridge National Laboratory**

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443. Lawrence Livermore National Laboratory; Clemson University International Center for Automotive Research; Clemson University; Auburn University

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

467. **University of Windsor**

468. **University of Windsor**

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

470. **Southwest Research Institute**

471. **Tianjin University; Argonne National Laboratory; Ford Motor Company**

472. **Texas Tech University; Oakland University**

473. **Indian Institute of Technology Madras**

474. **Southwest Research Institute**
475. **Aramco Research Center; Argonne National Laboratory; FRIENDSHIP SYSTEMS AG; Convergent Science**  

476. **Indian Institute of Technology Madras**  

477. **University Center of Nâama; Institute Mines-Telecom Atlantique de Nantes, France; University of Abou Bekr Belkaid Tlemcen**  

478. **Daihatsu Motor Co., Ltd.**  

479. **University of Waterloo**  

480. **University of Waterloo**  

481. **DENSO Corporation**  

482. **Convergent Science**  

483. **Convergent Science**  

484. **Penn State College of Medicine; Pennsylvania State University**  

485. **Argonne National Laboratory; Politecnico di Torino**  
486. University of Massachusetts Amherst; Convergent Science; Oregon State University; Northeastern University

487. Lund University; King Abdullah University of Science and Technology

488. Convergent Science; Sanden International (Europe) Ltd.

489. Convergent Science

490. Convergent Science; Tecumseh Products Company

491. Convergent Science

492. Argonne National Laboratory; Achates Power

493. Cummins Inc.; Indian Institute of Technology Bombay

494. Michigan Technological University; Aramco Services Company; Convergent Science
495. **Argonne National Laboratory; Convergent Science; Michigan Technological University**

496. **General Motors R&D; University of Michigan**

497. **Argonne National Laboratory; Oak Ridge National Laboratory**

498. **University of Oxford; Loughborough University**

499. **Texas Tech University; Oakland University**

500. **Technische Universität München**

501. **Texas Tech University; Oakland University**

502. **University of Alabama**

503. **University of Rome Tor Vergata; University of Alabama**

504. **University of Massachusetts Lowell**
505. Argonne National Laboratory

506. Guangxi University

507. RWTH Aachen University

508. Shanghai Jiao Tong University

509. Argonne National Laboratory

510. CMT-Motores Térmicos

511. CMT-Motores Térmicos

512. Universitat Politècnica de València; Jiangsu University; Integrale Marketing and Consulting SLU
Pastor, J., García-Oliver, J.M., García, A., Zhong, W., Micó, C., and Xuan, T., "An Experimental Study on Diesel Spray Injection Into a Non-Quiescent Chamber," SAE Paper 2017-01-0850, 2017. DOI: 10.4271/2017-01-0850

513. Universitat Politècnica de València

514. CMT-Motores Térmicos

515. CMT-Motores Térmicos; Groupe Renault
516. CMT-Motores Térmicos

517. CMT-Motores Térmicos

518. CMT-Motores Térmicos

519. IDAJ Co. LTD

520. CMT-Motores Térmicos

521. CMT-Motores Térmicos

522. CMT-Motores Térmicos

523. CMT-Motores Térmicos

524. CMT-Motores Térmicos

525. Convergent Science; Argonne National Laboratory; Aramco Research Center
526. **Convergent Science; Argonne National Laboratory**

527. **IFP Energies nouvelles; Convergent Science**

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

529. **University of Manitoba**

530. **Technion – Israel Institute of Technology**

531. **Hebei University of Technology; Shandong University**

532. **Shanghai Jiao Tong University; Lund University; Dalian University of Technology**

533. **Tianjin University**

534. **Beijing Institute of Technology**

535. **University of Manitoba**
536. Convergent Science; Pinnacle Engines; Oak Ridge National Laboratory

537. University of Cincinnati; Wayne State University

538. Convergent Science; TU Dortmund University

539. West Virginia University

540. West Virginia University; National Research Council, Canada; Tianjin University

541. Kocaeli University; Sakarya University

542. DENSO Corporation

543. Convergent Science

544. Federal University of Santa Catarina

545. Argonne National Laboratory; University of Connecticut; Convergent Science
546. **Stanford University**  

547. **University of Illinois at Chicago**  

548. **Research Laboratory LTE-ENPO**  

549. **Shanghai Jiao Tong University**  

550. **Shanghai Jiao Tong University**  

551. **Shanghai Jiao Tong University**  

552. **MOE Key Laboratory for Power Machinery and Engineering**  

553. **The Ohio State University**  

554. **Aramco Services Company**  

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

556. **U.S. Army Research Laboratory; Stanford University; AMRDEC-ADD**  
557. **Iowa State University**

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

559. **Argonne National Laboratory; Purdue University; Convergent Science; University of South Carolina**

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

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

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

563. **Wayne State University**

564. **Wayne State University**

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

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

567. **University of Manitoba**
568. **Convergent Science**  

569. **IFP Energies nouvelles; Convergent Science**  

570. **University of Oxford**  

571. **University of Michigan-Ann Arbor**  

572. **Purdue University; Convergent Science**  

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

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

575. **General Motors**  

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

577. **Ecole Nationale Polytechnique d'Oran**  

578. **University of Massachusetts Lowell**  
579. **University of Massachusetts Lowell**  

580. **Universitat Politècnica de València**  

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

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

583. **RWTH Aachen University; University of Illinois Urbana-Champaign; Ford Research Center; Ford Research Center Aachen**  

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

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

586. **University of Oxford**  

587. **Renault SAS**  

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

589. **Aramco Research Center**  
590. **Michigan Technological University; Argonne National Laboratory; University of Massachusetts Dartmouth**

591. **Università degli Studi di Perugia; Argonne National Laboratory; Georgia Institute of Technology; Sandia National Laboratories; Monash University; Universitat Politècnica de València**

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

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

594. **Michigan Technological University**

595. **Convergent Science**

596. **Argonne National Laboratory**

597. **Caterpillar Inc.**

598. **Argonne National Laboratory; Universitat Politècnica de València; University of Connecticut; Convergent Science**

599. **Stony Brook University**
600. **Argonne National Laboratory; Convergent Science; Aramco Research Center**

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

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

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

604. **Carnegie Mellon University; General Motors; University of Michigan**

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

606. **Politecnico di Torino; IFP Energies nouvelles; Groupe Renault**

607. **Texas Tech University; John Deere Power Systems**

608. **Brandenburg University of Technology; LOGE AB**

609. **Stony Brook University**

610. **Indian Institute of Technology; King Abdullah University of Science and Technology**
611. **Michigan Technological University; Aramco Research Center; Convergent Science**  

612. **Indian Institute of Technology**  

613. **Hyundai Motor Company**  

614. **Wayne State University**  

615. **Convergent Science**  

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

617. **AVIC**  

618. **Chiba University**  

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

620. **Toyota Motor Corporation**  

621. **Southwest Research Institute**  
622. **Argonne National Laboratory; Gamma Technologies; Politecnico di Torino**

623. **Hunan University**

624. **POWERTECH Engineering; Wartsila Italia**

625. **Ford Motor Company**

626. **Argonne National Laboratory**

627. **Indian Institute of Technology Madras**

628. **Federal University of Santa Catarina; Embraco**

629. **RWTH Aachen University**

630. **Stony Brook University**

631. **Magneti Marelli**

632. **University of Rome Tor Vergata**
633. **University of Illinois at Chicago**  

634. **Indian Institute of Technology Madras**  

635. **Marquette University**  

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

637. **Tsinghua University**  

638. **Argonne National Laboratory**  

639. **Tianjin University**  

640. **Tianjin University**  

641. **Tianjin University**  

642. **Tsinghua University; China Agricultural University**  

643. **Tsinghua University**  
644. **VIT University**

645. **Tianjin University**

646. **U.S. Army Research Laboratory; NAVAIR; NASA Glenn Research Center; AMRDEC-ADD**

647. **Tianjin University**

648. **Shanghai Jiao Tong University**

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

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

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

652. **Argonne National Laboratory**

653. **Argonne National Laboratory**
654. **Argonne National Laboratory**

655. **Continental Automotive France**

656. **Indiana University – Purdue University Indianapolis**

657. **Universiti Kebangsaan Malaysia**

658. **Colorado State University**

659. **General Motors**

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

661. **Argonne National Laboratory; Lawrence Livermore National Laboratory; University of Connecticut**

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

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

664. **Automotive Research Association of India**
665. **Cameron**

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

667. **Honda Motor Co. Ltd.**

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

669. **Colorado School of Mines; National Renewable Energy Laboratory**

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

671. **New Ace Inst. Co. Ltd.**

672. **Tohoku University; Keihin Corp.**

673. **Marquette University**

674. **Brandenburg University of Technology; LOGE AB; Groupe Renault**

675. **Brandenburg University of Technology; LOGE AB; Groupe Renault**
676. Brandenburg University of Technology; LOGE AB; Groupe Renault

677. U.S. Military Academy

678. Carnegie Mellon University; University of Cassino and Lazio Meridionale

679. Southwest Research Institute

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

681. Delphi; Wayne State University

682. CMT-Motores Térmicos; Volvo Group

683. Michigan Technological University; Nostrum Energy LLC

684. Michigan Technological University; Argonne National Laboratory; U.S. Army Research Laboratory

685. Michigan Technological University; Argonne National Laboratory
687. Michigan Technological University

688. Wayne State University; Delphi

689. Wayne State University; Delphi

690. Wayne State University; Delphi

691. Chalmers University of Technology; LOGE AB; Brandenburg University of Technology

692. Texas A&M University; Cameron

693. Texas A&M University; GE Oil & Gas

694. Universidade do Minho

695. Prometheus Applied Technologies, LLC; Colorado State University

696. University of Illinois at Chicago

697. Georgia Institute of Technology

698. Georgia Institute of Technology
699. Stanford University; Technische Universität Darmstadt; University of Michigan

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

701. Gamma Technologies

702. Convergent Science; LOGE AB; Caterpillar Inc.

703. Argonne National Laboratory; University of Connecticut

704. LiquidPiston Inc.

705. West Virginia University; National Research Council, Canada

706. Altronic Hoerbiger; Prometheus Applied Technologies, LLC

707. Altronic Hoerbiger; Prometheus Applied Technologies, LLC

708. Groupe Renault; Convergent Science

709. Caterpillar Inc.
710. **Convergent Science; University of Duisburg-Essen; Caterpillar Inc.**

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

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

713. **Argonne National Laboratory**

714. **Aramco Research Center**

715. **Convergent Science**

716. **Convergent Science**

717. **Convergent Science**

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

719. **Argonne National Laboratory**

720. **Argonne National Laboratory**
721. **Argonne National Laboratory; Convergent Science**

722. **Caterpillar Inc.**

723. **Caterpillar Inc.**

724. **University of Michigan-Ann Arbor**

725. **Georgia Institute of Technology**

726. **General Motors**

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

728. **Renault SAS**

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

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

731. **Chrysler Group LLC**
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| 742. | Michigan Technological University; Nostrum Energy LLC  
743. Michigan Technological University; Nostrum Energy LLC

744. Convergent Science; Argonne National Laboratory

745. Aramco Research Center

746. Aramco Research Center

747. Aramco Services Company

748. Argonne National Laboratory; Michigan Technological University

749. Sandia National Laboratories; Convergent Science

750. Prometheus Applied Technologies, LLC

751. General Motors

752. General Motors R&D

753. General Motors
754. **General Motors**

755. **Ford Motor Company; Convergent Science; Dalian University of Technology**

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

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

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

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

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

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

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

763. **Tianjin University; Chongqing Changan Automobile Co., Ltd.**
764. **University of California, Berkeley; Sandia National Laboratories**

765. **Convergent Science; Indiana University – Purdue University Indianapolis**

766. **Convergent Science**

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

768. **Technical University of Denmark; Sandia National Laboratories**

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

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

771. **Convergent Science; North Carolina State University; Argonne National Laboratory**

772. **Purdue University; Argonne National Laboratory; San Diego State University**

773. **University of Nottingham; University of Birmingham; Tsinghua University**

774. **RWTH Aachen University; Complexe de Recherche Interprofessionnel en Aéothermochimie**
775. **Caterpillar Inc.; Southwest Research Institute**

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

777. **Prometheus Applied Technologies, LLC**

778. **Prometheus Applied Technologies, LLC; Hoerbier; Altronic, LLC**

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

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

781. **Weichai Power Emissions Solutions Company; Tsinghua University**

782. **Michigan State University**

783. **Michigan State University**

784. **Michigan State University**

785. **Ecole Militaire Polytechnique, Algeria; École des Mines de Nantes; Université de Boumerdes, Algeria**
786. **Wayne State University; Xian Jiaotong University**  

787. **Mainstream Engineering Corporation; U.S. Army Tank Automotive Research Development and Engineering Center**  

788. **Isuzu Technical Center of America, Inc.; Convergent Science**  

789. **Allison Transmission India Pvt. Ltd.; Saveetha Engineering College; Madras Institute of Technology**  

790. **Technische Universität Wien**  

791. **Imperial College London; Sandia National Laboratories; Politecnico di Milano; Argonne National Laboratory**  

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

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

794. **Prometheus Applied Technologies, LLC**  

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

796. **Argonne National Laboratory**  
797. Argonne National Laboratory

798. University of Illinois at Chicago; Argonne National Laboratory; Convergent Science

799. Argonne National Laboratory; University of Illinois at Chicago

800. Argonne National Laboratory; University of Connecticut; Convergent Science

801. Argonne National Laboratory; Convergent Science; Caterpillar Inc.

802. Argonne National Laboratory; Politecnico di Milano

803. University of Illinois at Chicago

804. University of Illinois at Chicago

805. University of Illinois at Chicago

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

807. King Abdullah University of Science and Technology; Saudi Aramco
808. Sandia National Laboratories; King Abdullah University of Science and Technology; IFP Energies nouvelles; Meiji University; Technical University of Denmark; Università Politecnica di València; Argonne National Laboratory; University of Wisconsin; Politecnico di Milano; ETH Zurich; University of New South Wales


809. Carnegie Mellon University; Pennsylvania State University


810. University of California, Berkeley; KAUST


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


812. Convergent Science; Argonne National Laboratory; Cummins Inc.


813. Convergent Science; Argonne National Laboratory


814. Convergent Science; Argonne National Laboratory


815. Convergent Science; Argonne National Laboratory


816. Convergent Science


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817. **Convergent Science; Caterpillar Inc.**

818. **Convergent Science**

819. **Convergent Science; Caterpillar Inc.; Sandia National Laboratories**

820. **Convergent Science; Argonne National Laboratory; Cummins Inc.**

821. **Brandenburg University of Technology; LOGE AB; Chalmers University of Technology**

822. **University of Michigan; General Motors**

823. **Argonne National Laboratory**

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

825. **Argonne National Laboratory; University of Perugia; Convergent Science**

826. **Argonne National Laboratory; University of Perugia; Convergent Science**
827. **Argonne National Laboratory; Convergent Science**  

828. **Argonne National Laboratory**  

829. **Argonne National Laboratory; Convergent Science; University of Perugia**  

830. **Convergent Science**  

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

832. **University of Waterloo**  

833. **University of Waterloo**  

834. **Indian Institute of Technology Madras**  

835. **LOGE AB; Groupe Renault**  

836. **Groupe Renault**  

837. **Groupe Renault**  
838. **Convergent Science; Argonne National Laboratory**  

839. **Convergent Science**  

840. **Convergent Science; Argonne National Laboratory; Lawrence Livermore National Laboratory**  

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

842. **Convergent Science**  

843. **Convergent Science; Cummins Inc.; Argonne National Laboratory**  

844. **Convergent Science; Cummins Inc.**  

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

846. **Convergent Science; SmartUQ**  

847. **Convergent Science**  

848. **Aramco Research Center; Argonne National Laboratory; Convergent Science**  
849. **Argonne National Laboratory; Convergent Science; Sandia National Laboratories**

850. **Chiba University**

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

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

853. **Volvo; Instituto Tecnológico de Aeronáutica**

854. **Volvo; Instituto Tecnológico de Aeronáutica**

855. **Indian Institute of Technology Bombay**

856. **Carnegie Mellon University; Convergent Science**

857. **Texas A&M University**

858. **Wayne State University**

859. **Convergent Science; Chrysler Group LLC**
860. Michigan State University

861. Michigan State University

862. Michigan State University

863. University of Waterloo; General Motors

864. University of Waterloo

865. University of Waterloo

866. Mainstream Engineering Corporation

867. National Institute of Technology, Warangal, India

868. National Institute of Technology, Warangal, India

869. National Institute of Technology, Warangal, India

870. IFP Energies nouvelles; Groupe Renault
871. **Ford Motor Company; Chalmers University of Technology; LOGE AB; Brandenburg University of Technology**

872. **FEV**

873. **Gamma Technologies; Politecnico di Torino**

874. **Lawrence Livermore National Laboratory**

875. **Southwest Research Institute**

876. **Oak Ridge National Laboratory**

877. **Carnegie Mellon University**

878. **Cameron**

879. **Cameron**

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

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

883. **Convergent Science**  

884. **Convergent Science**  

885. **Convergent Science**  

886. **Electro-Motive Diesel Inc.**  

887. **Westport Fuel Systems**  

888. **Electro-Motive Diesel Inc.**  

889. **General Motors**  

890. **Southwest Research Institute**  
Michigan Technological University; WM International Engineering

Michigan Technological University

MAHLE Powertrain

Woodward, Inc.

IFP Energies nouvelles; Convergent Science

Sandia National Laboratories; Lawrence Livermore National Laboratory; Massachusetts Institute of Technology

SAIC Motor Corporation Ltd

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

Clemson University

Indian Institute of Technology Bombay
901. **University of Maryland**

902. **U.S. Army Research Laboratory; Convergent Science**

903. **U.S. Army Research Laboratory; U.S. Military Academy**

904. **U.S. Army Research Laboratory; Convergent Science**

905. **U.S. Army Research Laboratory**

906. **University of Kansas**

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908. **University of Kansas**

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

910. **Laboratoire de Recherche en Technologie de l’Environnement; École des Mines de Nantes**
911. **Convergent Science**  

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

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

914. **Altronic Hoerbiger**  

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

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

917. **Università degli Studi di Perugia**  

918. **Argonne National Laboratory**  

919. **Electro-Motive Diesel Inc.**  

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

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

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

924. **University of Michigan**

925. **University of Michigan**

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

927. **ISUZU Advanced Engineering Center Ltd.**

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

929. **Argonne National Laboratory; General Motors R&D**

930. **Argonne National Laboratory**

931. **Argonne National Laboratory**

932. **Southwest Research Institute**
933. **Indian Institute of Technology Bombay**  

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

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

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

937. **Indian Institute of Technology Madras**  

938. **Indian Institute of Technology Madras**  

939. **Southwest Research Institute**  

940. **Southwest Research Institute**  

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

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

943. **Georgia Southern University; Army Research Laboratory**  
944. **Georgia Southern University**