

IEEE
VPPC 2007



September 9-12, 2007, Wyndham Hotel, Arlington, Texas, USA

Co-sponsored by: **IEEE Vehicular Technology Society (VTS) and IEEE Power Electronics Society (PELS)**

Call for Papers

2007 IEEE Vehicle Power and Propulsion (VPP) Conference

The 2007 IEEE Vehicle Power and Propulsion (VPP) Conference is located in Arlington, Texas, USA.. VPP conference will include sessions in different technical tracks and potential authors are invited to submit their papers on the following or related topics.

VPP Track 1: Vehicular Electric Power Systems and Loads

Power system architectures, power management and distribution, 42V PowerNet, higher voltage power systems, military vehicular power systems and loads, harmonics and power quality, conventional vehicle electrical loads, advanced vehicle electrical loads, drive-by-wire, brake-by-wire, X-by-wire, electric power steering, active suspension, automatic cruise controls, engine electrical controls, remote sensing and fault tolerance, wireless sensors and controls.

VPP Track 2: Vehicular Power Electronics and Electromechanical Actuators

Converters, rectifiers, inverters, power electronic systems, electric machines, motor drives, motion control, applications in land, air, space, sea, and undersea vehicles, power semiconductors, EMI/EMC, starters, generators, integrated starter/alternators, novel power modules, auxiliary motor drives, drive trains.

VPP Track 3: Advanced Vehicles

Advanced land, sea, air, and space vehicles, electric and hybrid electric vehicles, lightly hybridized vehicles, diesel hybrid vehicles, hybrid sport utility vehicles, more electric vehicles, fuel cell vehicles, fuel cell hybrid vehicles, military vehicles, multi-wheeled vehicles, heavy-duty vehicles, off-road vehicles, rail vehicles.

VPP Track 4: Energy Storage Components/Systems

Battery technology, advanced battery and management systems, charge/discharge units, new capacitor technology, ultra-capacitors, flywheels, hybrid energy storage systems, auxiliary power units.

VPP Track 5: Modeling, Analysis, Dynamics, and Control

Modeling, simulation, analysis, design, dynamics, stability, and control of vehicular systems/components, CAD/CAE, on-board power management, well-to-wheels and tank-to-wheels analysis, load control, control systems, hybrid control strategies, thermal analysis and management, packaging, educational approaches.

Papers should make a timely contribution to state-of-the-art technology, be of high technical and editorial quality, and be devoid of commercialism. Papers should not have been published elsewhere and, if accepted, should not be released for publication through other media. All authors must obtain company and government clearance (if necessary) prior to submission of paper proposals. Authors of accepted VPP papers must submit signed copyright transfer forms to IEEE.

Paper Submission Guidelines:

Prospective authors of papers are asked to submit their paper proposals through the conference Web site (<http://www.vppc07.com/>). Each paper proposal must include:

- Technical track number and name, paper title, name(s) of author(s), business affiliation(s), mailing address(es), phone and fax numbers, and e-mail address(es). If there are multiple authors, the corresponding author must be clearly identified.
- An abstract of 50-100 words and a digest of 3-5 pages (including figures and tables) stating the objective of the paper, outlining the problem requiring solution or the method of approach to research, being explicit with respect to the type of data to be included in the full paper, and summarizing the conclusions being made. The digest must not exceed 5 pages in length. The conference program committee may make reassignment of accepted papers to different sessions, if necessary.

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Deadlines

May 1, 2007: Submission of paper proposals (abstracts and digests)

June 1, 2007: Author's notification of acceptance

August 1, 2007: Submission of camera-ready manuscripts

Organizing Committee:

VPP'07 General Chair: Dr. Babak Fahimi, University of Texas at Arlington, EML: fahimi@uta.edu

VPP'07 Program Chair: Dr. G. Suresh, GM Research and Development center, EML: suresh.gopalakrishnan@gm.com

VPP'07 Seminar and Invited Speaker Chair: Dr. C. S. Edrington, Arkansas State University, EML: cedrington@astate.edu

VPP'07 Secretary: Mr. Mahesh Krishnamurthy, University of Texas at Arlington, Mahesh.k@uta.edu

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