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Charbel Farhat is Professor of Mechanical Engineering, Professor, by courtesy, of Aeronautics and Astronautics, Professor in the Institute of Computational and Mathematical Engineering, and Director of the Army High Performance Computing Research Laboratory, all at Stanford University. Previously, he held the positions of Professor and Chair of Aerospace Engineering Sciences and Director of the Center for Aerospace Structures at the University of Colorado at Boulder. He holds a Ph.D. in Civil Engineering from the University of California, Berkeley (1987). He is the recipient of several prestigious awards including the Institute of Electrical and Electronics Engineers (IEEE) Computer Society Gordon Bell Award (2002), the International Association of Computational Mechanics (IACM) Computational Mechanics Award (2002), the American Institute of Aeronautics and Astronautics (AIAA) Rocky Mountain Section Engineer of the Year Award (2001), the Department of Defense Modeling and Simulation Award (2001), the US Association of Computational Mechanics (USACM) Medal of Computational and Applied Sciences (2001), the IACM Award in Computational Mechanics for Young Investigators (1998), the USACM R. H. Gallagher Special Achievement Award for Young Investigators (1997), the IEEE Computer Society Sidney Fernbach Award (1997), the IBM Sup'Prize Achievement Award (1995), the American Society of Mechanical Engineers (ASME) Aerospace Structures and Materials Best Paper Award (1994), the Society of Automotive Engineers (SAE) Arch T. Colwell Merit Award (1993), the CRAY Research Award (1990), a TRW fellowship (1989), the United States Presidential Young Investigator Award (1989), and the Control Data Corporation PACER Award (1987).
Professor Farhat is Editor of the International Journal for Numerical Methods in Engineering. He also serves on the editorial boards of eleven other international scientific journals, and on the technical assessment boards of several national research councils and foundations. From 2003 to 2006, he served the Society for Industrial and Applied Mathematics as Vice Chair of its Activity Group on Supercomputing. He is a Fellow of the American Society of Mechanical Engineers (2003), Fellow of the International Association of Computational Mechanics (2002), Fellow of the World Innovation Foundation (2001), Fellow of the US Association of Computational Mechanics (2001), and Fellow of the American Institute of Aeronautics and Astronautics (1999). He has been an AGARD lecturer on aeroelasticity and computational mechanics at several distinguished European institutions, and a keynote speaker at numerous international scientific meetings. He is the author of over 200 refereed publications on fluid/structure interaction, computational fluid dynamics on moving grids, computational structural mechanics, computational acoustics, supercomputing, and parallel processing. His research program has been and is currently funded by several government and private agencies including the National Science Foundation, the Air Force Office of Scientific Research, the NASA Langley Research Center, the NASA Ames Research Center, the NASA Lewis Research Center, the Naval Research Laboratory, the Office of Naval Research, the Department of Energy, the Sandia National Laboratories, the Defense Advanced Research Projects Agency, TRW, the FMC Corporation, the Lockheed-Martin Corporation, High Performance Technologies, and the Toyota Motor Corporation.