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# Consortium on Green Design and Manufacturing University of California, Berkeley

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CGDM



## A Multi-Disciplinary Research and Educational Partnership Between Academia, Industry and Government.

### NEWS AND EVENTS

CGDM alumnus Cristiano Facanha and Prof. Arpad Horvath publish "Evaluation of Life-Cycle Air Emission Factors of Freight Transportation" in *Environmental Science & Technology*  
[Link to Article](#)  
[Link to Press Release](#)

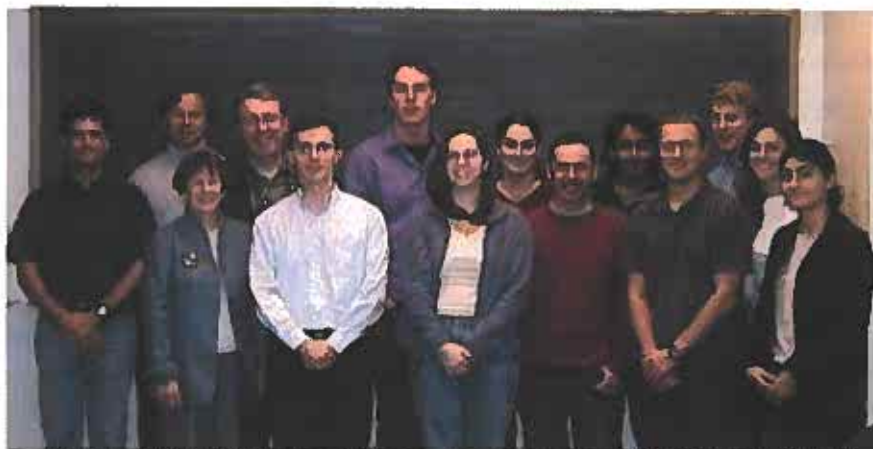
Prof. Arpad Horvath featured in Voice of America series "Searching for Solutions".  
[Link](#)

The International Society for Industrial Ecology presented the Laudise Prize to Prof. Arpad Horvath at the Gordon Conference in Stockholm.  
[Read CGDM News](#)

Julian Marshall and Michael Toffel publish "Framing the Elusive Concept of Sustainability: A Sustainability Hierarchy" in *Environmental Science & Technology*, 39(3)  
[Read CGDM News](#)

CGDM Director Arpad Horvath and Michael Toffel of Haas Business School present two case studies on the environmental implications of wireless technology  
[Read CGDM News](#)  
[Press Release](#)

Volvo Research Foundation grants Civil and Environmental Engineering



Back Row (Left to Right): Sergio Pacca, Seppo Junnila, Prof. Dave Dornfeld, Chad White, Taylor Robinson, Nikhil Krishan, Mike Toffel. Front Row: Prof. Cathy Koshland, Prof. Arpad Horvath, Jennifer Stokes, Christiano Facanha, Eric Masanet, Erasmia Kitou, Maria Daguerre. ♦ Not pictured: Prof. Chris Rosen, Prof. Sara Beckman, Reuben Deumling, Angela Guggemos, Susan Fisher, Garvin Heath, Julian Marshall.

The Consortium on Green Design and Manufacturing (CGDM) was formed in 1993 to encourage multi-disciplinary research and education on environmental management, design for environment and pollution prevention issues in critical industries. Faculty and students come from UC Berkeley's [College of Engineering](#), [School of Public Health](#), [Energy and Resources Group](#) and [Haas School of Business](#). Ongoing collaboration also exists with [Lawrence Berkeley National Laboratory's](#) ♦ [Network for Energy, Environment, Efficiency and the Information Economy](#). ♦ Together with industry and governmental organizations, we strive to meet the following objectives: ♦

- Form multidisciplinary research agendas among engineering, management, public health and policy faculty members to address the inherently cross-disciplinary issues of environmental design, management and pollution prevention. ♦
- Integrate green design and manufacturing issues into the curriculum so that students in engineering, business, and sciences are exposed to and learn approaches for solving problems in these areas. ♦
- Establish collaborative research with industry partners. ♦

Dept. funding the for a Center of Excellence in Future Urban Transportation.

[Read CGDM News Press Release](#)◆

CGDM Director Arpad Horvath's "Environmental Assessment of Used Oil Management Methods" in the American Chemical Society's *Environmental Science and Technology*, 38 (2)

[Read CGDM News Press Release](#)◆

List of [environmental management courses](#) for UC Berkeley students

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- Establish channels of support and information exchange with governmental agencies at the city, regional, state and federal levels.◆
- Serve as a facilitator for dissemination of information on green design and manufacturing for businesses, government, management, and the non-profit sector.◆

Our strategic research areas are:◆

- Civil infrastructure systems
- Electronics industry
- Service industries

Questions or comments on this site?  
email [cgdm@newton.berkeley.edu](mailto:cgdm@newton.berkeley.edu)

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