

# Dr. Sarath K. Guttikunda

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## EDUCATION

Ph.D – Chemical Engineering & Environmental Policy, the University of Iowa, Iowa City, USA (2002)

B. Tech (Hons) – Dept. of Chemical Engineering, Indian Institute of Technology, Kharagpur, India (1997)

## AWARDS

TED Fellow (2009); NASA Earth Science Fellowship (1999-2002); IIASA Young Scientist Summer Program (1999)

## WORK EXPERIENCE

Jan'2007 to Present @ [UrbanEmissions.Info](http://UrbanEmissions.Info), New Delhi, India

POSITION HELD : Founder and Independent Researcher/Consultant

- Develop analytical tools for integrated assessment of air pollution (e.g., SIM-air and IDEAS) – applications include Hyderabad, Delhi, Pune, Chennai, Kathmandu, Dhaka, Shanghai, Ulaanbaatar, Hanoi, Manila, Bangkok, Lagos
- Conduct research analysis on issues related to air pollution analysis – emissions baseline to control strategies
- Provide information and publications on air quality management – SIM-air series @ [www.urbanemissions.info](http://www.urbanemissions.info)
- Prepare/deliver presentations on AQM at a variety of venues

Mar'2008 to present @ [Desert Research Institute](http://Desert Research Institute), Reno, USA

POSITION HELD : Affiliate Assistant Research Professor (Non-teaching out of Delhi)

- Conduct research on air pollution source apportionment techniques and analysis
- Prepare/deliver publications and presentations on AQM

Jan'2011 to present @ [Clean Air Initiative for Asian Cities](http://Clean Air Initiative for Asian Cities), Manila, Philippines

POSITION HELD : Technical Advisor

Jan'2010 to Jan'2011 @ [Aria Technologies](http://Aria Technologies), Paris, France

POSITION HELD : Deputy Manager (Technical), India Program

- Inception of an Air Quality & Weather Forecasting Program in Delhi, launched before the 2010 CW Games

June'2002 to Dec'2006 @ [The World Bank](http://The World Bank), Washington DC, USA

POSITION HELD : Environmental Specialist

- **Project Design and Technical Assistance** to (a) review of air pollution source apportionment techniques in 20 urban centres from Africa, Asia and Latin America; (b) preparation and analysis of DIESEL program in Bangkok, Thailand; (c) environmental impact assessment of sulfur pollution mitigation programs for industrial and power sector in China; (d) review of emerging technologies to control pollution from brick kiln pollution in Dhaka, Bangladesh; (e) preparation of environment monitors (EAP CC Monitor) and program outlooks
- **Knowledge Management and Dissemination** for (a) the Climate Change team to address air quality and adaptation to climate change agenda and integrate environmental health agenda into World Bank lending programs; (b) development of training programs on AQM to build the World Bank client capacity across Asia, Africa and LAC; (c) analytical tools for better AQM
- Coordinated Youth2Youth Community activities and newsletter; and developed youth-led environmental health communications program in Sri Lanka

Aug'1997 to May'2002 @ [The University of Iowa](http://The University of Iowa), Iowa City, USA

POSITION HELD : Graduate Fellow

- Recipient of NASA Earth System Science Graduate Student Fellowship (1999-2002); to develop air quality models at various scales, to study the impacts of growing emissions on urban, regional, and global air quality
- Participate in the field experiments of TRACE-P, ACE-Asia, and ITCT-2k2 between February 2001 to April 2001 in China and Japan; Responsible for development real time chemical and weather forecasting, using chemical and climate models and real time satellite data
- Develop technical presentations and publications

**For List of publications, presentations, and references, please send email.**