

ABIR MULLICK

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Current Positions

Provost (Vice Chancellor)
Navrachna University, Baroda, India

Selected responsibilities:

Direct the University's Vision, strategic goals and objectives, and affirmative action.

Lead the University on important academic initiatives.

Federal inspections like one by the UGC (University Grants Commission).

Serve as Chief Executive Officer for the University, maintain educational programs consistent with the University's educational Mission, and provide leadership for excellence in higher education.

Increased enrollment by nearly 400% increase in three years.

Program development. Started with 9 programs in 2013 (engineering was at its nascent stage), and now have 22 programs in 4 Schools.

Offer a line of communication between the University, Board of Management and the Board of Governors. Provide annual report to the Boards to inform the health of the institution.

Offer a vision on academic excellence through development and implementation of new educational initiative. Involve faculty and staff in adding value to educational experience.

Desiloified departments and built an unified multi-disciplinary university.

Developed interdisciplinary educational focus to bring departments closer and for better resource management.

Serve as a champion for the faculty, students and staff and mediate between academics and administration to maintain high quality educational environment through a focus on research, scholarship and service.

Added interdisciplinary, choice based education for all students. Introduced Kho,j a hands-on interdisciplinary project to offer education in social innovation and train student who care.

Direct all department heads, and supervise fiscal and physical planning such as development of the University budget, physical facilities and program expansions.

Introduced a course in Entrepreneurship for all students in the university to produce job creators.

Make appointments of personnel, fix salaries, approve promotions, guide transfers, review leave of absence and dismissal – all based on the policies and procedures established by the Boards.

Develop educational strategies, manage external relationships and oversee educational and administrative activities.

Introduced project based education across university to offer hands-on experience.

Full Professor (Tenured)

School of Industrial Design
College of Architecture
Georgia Institute of Technology
Atlanta, GA, USA
August 2005 to present (on leave of absence)

Faculty

Faculty at GVU, College of Computing
Georgia Institute of Technology
Atlanta, GA, USA
August 2006-present (on leave of absence)

Recent Positions

Full Professor and Director

School of Industrial Design
Georgia Institute of Technology Atlanta, GA
August 2005 to July 2009
Selected responsibilities: manage fiscal planning and financial administration; lead educational changes and promote academic quality; recruit and hire full and part-time faculty; advise and manage faculty, student and staff; manage graduate student recruitment, admission and advisement; develop opportunities for interdisciplinary work within the College and at the Institute level; develop educational pedagogy and guide instruction; direct faculty in research and scholarship; liaison between School, College and University; and plan, procure and monitor educational and research

technology.

Endowed Chair

Jamsetji Tata Chair for Universal Design
National Institute of Design, India
September 2010-June 2011

Project Director

RERC Workplace Modifications
National Institute on Disability and Rehabilitation Research
(NIDRR)

2007 - 2012

Direct research initiative within a 5 million dollar project intended to study, design and create work opportunities for people with disabilities. Research will focus on identifying barriers that hinder work and create universally designed workstations to facilitate work for those with and without disabilities.

Principal Investigator

Inclusive Indoor Play Project
National Institute on Disability and Rehabilitation Research
(NIDRR)

December 2004-2009

Managed a half million dollar research and development project dealing with indoor play for children with and without disabilities. Research results have produced many publications and new designs to foster inclusive play and social integration.

Awards

MphasiS Universal Design Award

Recognized for work towards accessibility in India
August 2011

Fulbright-Nehru Scholar

Awarded for research and high scholarly achievement
May 2010

Cardboard Chair Competition

Atlanta American Institute of Architects
Student: Gourab Kar, First prize

January 2010

Inclusive Indoor Play Project

A competitive research and development grant, funded by the National Institute on Disability and Rehabilitation Research
December 2004

Silver Award for Excellence in Design

Industrial Design Society of America Universal Bathrooms
March 2002

Bronze Award

American Society on Aging Universal Bathrooms
February 2001

Universal Bathroom Project

A competitive research and development grant, funded by the National Institute on Disability and Rehabilitation Research
1997-2000

Niagara Frontier Inventor of the Year Award

Honorable Mention for Apparatus for Transporting Disabled Persons
Sponsored by the Niagara Intellectual Property Law Association Technical Societies Council of the Niagara Frontier
February 1995

Height-Adjustable Drinking Fountain: Gold Medal Winner

Industrial Design Excellence Award (IDEA)
Sponsored by Industrial Designers Society of America, 1994.
Students: Jason Billig and William Cheung

Height-Adjustable Drinking Fountain: First Prize

New Product for Mature Markets Design Competition
Sponsored by the American Society on Aging, 1993.
Students: Jason Billig and William Cheung

Pay Phone: Second Prize

New Product for Mature Markets Design Competition

Sponsored by the American Society on Aging, 1993.
Student: Mark Olszowy

Drinking Fountain: First Prize

New Product for Mature Markets Design Competition
Sponsored by the American Society on Aging, 1992.
Students: Michael Osadciw, Michael Lamonica and Matthew Guthrie

Vacuum Cleaner: Honorable Mention

New Product for Mature Markets Design Competition
Sponsored by the American Society on Aging, 1991.
Student: Mark Phillips

Best Instructor

Design Studies Program
School of Architecture and Planning,
States University of New York, Buffalo, 1993

Patents

Sanitary Appliance (India)

Inventors Abir Mullick, Shikha Agarwal, Ashok Kumar and Pushplata Swarankar
A body-support squat latrine offers rest for seated users
It has built-in cistern to store water for flushing.
Design Registration number 237593, June 28 2011 for 10 years.

Single Modular Unit (India)

Inventors Abir Mullick, Shikha Agarwal, Ashok Kumar and Pushplata Swarankar
Modular toilet stall that allows reorganization and customization.
Design Registration number 237591, June 2011 for 10 years.

Twin Modular Unit (India)

Inventors Abir Mullick, Shikha Agarwal, Ashok Kumar and Pushplata Swarankar
Two modular toilet stalls combined to offer many different designs.
Design Registration number 237592, June 2011 for 10 years.

Provisional Patent (USA)

Inventors Abir Mullick and Gourab Kar

Called Chair for Dental Work, this patent application is made up of innovation that offer ergonomic seating options for dental practitioners. The seating provides front body support to help the lean forward posture and prevent back injuries common among dental professionals.

Provisional patent number 61/545,371.

Design Registration (India)

Inventors: Abir Mullick, Shivani Gupta, Anjlee Agarwal, Rachna Khare, s.balaram , Ravi Shankar, Debkumar Chakravarty, Gaurav Raheja, and Haimanti Banerjee

Universal Design India Principles for Indian use. Contextualize the 7 principles of universal design to larger framework of design and use.

Patent pending.

Provisional Patent (USA)

Inventors Gourab Kar and Abir Mullick

Height adjustable, multi-surface table can be set at different heights to perform tasks at sitting and standing heights. The table facilitates behind-the-counter work like secretarial, library, hotel reception and airline check-in.

Pending.

Provisional Patent (USA)

Inventors Shrikanth Jalasutram and Abir Mullick

Electronic seat uses sensors to create vibration. The seat surface vibrates periodically to inform posture change.

Pending

Utility Patent (USA)

Inventors Abir Mullick, Steven Chininis, Tim Purdy

This patent application is made up of hardware and software innovations that offer education through play and entertainment. Children can customize the play device over three challenge levels to suit the needs of children with and without disabilities.

Pending.

Utility Patent (USA)

Inventors Abir Mullick, Edward Steinfeld, Drew Kelley
Movable Bathroom Fixtures, 2000

This patent application consists of four bathroom designs in which fixtures move to make functional and spatial adjustments. Users can customize bathrooms to suit individual conditions and make layout changes to respond to spatial and programmatic requirements.

Patent Number 6,096,664; Award date December 2, 2002.

Utility Patent (USA)

Inventor Abir Mullick
Modular Bathing Facility, 1998

This invention is a bathtub/shower unit for residential use. The bathing unit allows users to customize its design based on their functional and aesthetic needs. Users can make incremental changes to its design, as their needs change over time. The patent application lists thirty-eight new claims.

Patent Number 6,076,204; Award date June 20, 2000.

Utility Patent (USA)

Inventor Abir Mullick, Jason Billig and William Cheung
Height-Adjustable Drinking Fountain, February 1995

This drinking fountain uses a unique balancing system so different height users can adjust effortlessly. The height-adjustable feature allows children, those using wheelchairs and able-bodied individuals to customize drinking conditions based on their operating needs. The patent application makes five new claims.

Patent no. 5,628,457; Award date May 13, 1997.

Utility Patent (USA)

Inventors Abir Mullick, Michael Osadciw, Michael Lamonica and Matthew Guthrie
Universal Drinking Fountain

This drinking fountain has been designed for use in indoor public environments (shopping malls, banks and offices) or in outdoor public areas (parks and beaches). Innovative features of this product include a control bar for regulating water flow through body contact, built-in handles for easy access to the fountain, and a unique basin that prevents water spillage when drinking. The patent application lists

three new claims.

Patent no. 387,558; Award date March 25, 1997.

Utility Patent (USA, Belgium, Germany, Sweden, United Kingdom)

Inventors Abir Mullick and Robert Dearstynne

Apparatus for Transporting Disabled Persons

This transfer lift transports persons in and out of beds, wheelchairs and toilets. The single most important aspect of this invention is a carriage, comprising a padded frame and a set of adjustable straps. The carriage's design can be customized based on users' physical characteristics and postural requirements. This increases safety, security and convenience during transportation and patient handling. The patent lists two new claims.

Patent no. 5,325,550; Award date July 5, 1994.

**Public Recognition
(Selected)**

“Led by US Professor, NID team designs a washroom for all”

Indian Express, May 22, 2011

“NID Alumnus Comes Up with Public Toilet Design”

The Economic Times, India June 26, 2011

“NID Scholar Smells Big Bucks in Toilets, Showcases New Model”

Indian Express, June 25, 2011

“Make-Your-Own-Loos for Slums, Designed by NID”

The Times of India, June 24, 2011

“Design After Interviewing 80 Institutions and 300 People”

Divya Bhaskar – A Gujarati Newspaper, June 24, 2011

“NID Design for Slum Toilets Lies Between Public and Private”

The Times of India, February 1, 2011

“Users Unlimited”

A feature article by Padma Ramanath, *Business India* - in a leading business magazine in India, July-August 2003.

“Room to View”

An article by Tom Vanderbilt in *Metropolis*, April 2002.

“Bathroom Designs to Ease Aging”

A lead article by Alan Heavens in *Philadelphia Inquirer*,
February 10, 2002

“Custom Car”

A feature article by Dawn Stover in *Popular Science*
February 2002

“Pride of Western New York”

A television news feature in Channel 4, a *CBS affiliate* in
Buffalo
November 2001

“Bathroom Prototypes Win Award”

The Reporter. Published by State University of New York at
Buffalo, October 2001

"Patently Proud: UB Shows its Inventors on Staff"

A cover article in *Business First*, May 21, 2001.

Bathrooms for All People

An interview by WBFO radio station. Broadcast on the
National Public
Radio, May 1997

"Another Attempt At Universal Bathing"

The Wall Street Journal
July 1994

"A Fountain Designed As Universally Appealing"

The Wall Street Journal
April 1994

"Drinking Fountain's One Height Fits All"

The Wall Street Journal
August 1993

"The Drinks Are On The House"

Graduating Engineer

December 1993

"Recycling Made Popular: Design Students' Projects Accent Awareness"

The Reporter. Published by State University of New York at Buffalo April 30, 1992

"UB Architecture Students Design Recyclable Products"

The Spectrum. Published by State University of New York at Buffalo April 3, 1992

Education

Ohio State University, Columbus, Ohio

Master of City and Regional Planning, 1986

Ohio State University, Columbus, Ohio

Master of Arts, Industrial Design, 1982

National Institute of Design, Ahmadabad, India

Bachelor in Industrial Design, 1978

Previous Positions

ACADEMIC

Associate Professor

Department of Architecture
School of Architecture and Planning
State University of New York at Buffalo
1995 – 2005

Taught architecture design studios and lecture courses to undergraduate and graduate students.

Project Director

Rehabilitation Engineering Research Center on Universal Design at Buffalo
State University of New York at Buffalo
1999 -2005

Project Director

Center for Inclusive Design and Environmental Access
School of Architecture and Planning
State University of New York at Buffalo
1990 –2005

Assistant Professor

Department of Architecture
State University of New York at Buffalo
1992-1995

Coordinated sophomore design studio, taught lecture courses and developed sponsored research initiative.

Assistant Professor, Design Studies Program

Department of Planning and Design
State University of New York at Buffalo
1989-1992

Taught a three-dimensional design studio, a space planning studio and lectured on courses such as human factors and materials and methods to undergraduate design studies majors.

Assistant Professor, Industrial Design

Department of Creative Arts, Purdue University
1988-1989

Taught product design studios and lectured on design-related courses such as design research, design methods and design history in this tenure-track position within the School of Industrial Design.

RESEARCH**Project Director**

Inclusive Indoor Play Project
National Institute on Disability and Rehabilitation Research
(NIDRR)
2004 –December 2009

Managed a half million dollar research and development project that has produced many new designs and published twelve new papers.

Project Director

Universal Bathroom Project
National Institute on Disability and Rehabilitation Research
(NIDRR)
1997 -2000

Managed a half million dollar research and development and designed new bathrooms for universal access. The design has been patented..

Project Director

Rehabilitation Engineering Research Center, Center on Aging
State University of New York at Buffalo
1991 -1995

With a funding of \$50K, researched bathing needs and developed a new bathing unit for a diverse population. Research findings have been extensively presented and the new design has been awarded a utility patent.

ADMINISTRATIVE

Coordinator, Sophomore Design Studio

Department of Architecture
State University of New York at Buffalo
1994-1999

Supervised 3 faculty, 4 teaching assistants and nearly 100 students every semester. Co-developed studio pedagogy and revised it to emphasize a building design focus. Prepared project syllabus, designed new projects, coordinated project grading and addressed student grievances.

Senior Design Director

Craig-Krakoff and Company, Columbus, Ohio
1986-1988

Created design function within a design and management-consulting firm, and coordinated design, production, staff and marketing services.

Design Coordinator

National Institute of Design, Calcutta Office, India
1978 -1980

Provided design services to local industries, government and community service organizations. Also offered internship experiences to design students.

GRADUATE TEACHING

Department of Engineering Graphics

Ohio State University
1984-1986

Department of City and Regional Planning

Ohio State University
1983-1984

Department of Industrial Design

Ohio State University
1981-1982

Department of Industrial Design

Ohio State University
1980-1981

Sponsored Research

PROJECT DIRECTOR

Workplace Design in RERC Workplace Modifications, \$60,000 within a \$5 million dollar Center grant

Sponsored by the Department of Education
National Institute on Disability and Rehabilitation Research
December 2007 – 2012

Identify barriers that hinder work and create universally designed workstations for those with and without disabilities.

PRINCIPAL INVESTIGATOR

Inclusive Indoor Play Project, \$450,000

Sponsored by the Department of Education
National Institute on Disability and Rehabilitation Research
December 2004 - 2009

This project will research play needs, develop new designs and construct working prototypes of inclusive playthings that will equally empower children with and without disabilities. Year-1 was devoted to conducting user research, identify environmental needs and determine important precedents. In Year-2, new designs of inclusive playthings were developed. The playthings are currently constructed and tested.

Energy Efficient vehicle, \$20,000

Moto America, Atlanta, GA

January 2009 June 2009

Identify users interested in a lower speed energy-efficient vehicle and learn about their driving needs. Design a vehicle that meets the transportation needs of these users.

Parking Technology, \$33,000

ACS Transportation, Atlanta, GA

January 2008- June 2008

Assessment of current and future parking meter technologies and design new meters for better user interaction and utilization of ACS technology.

Product Development Initiative Project, \$200,000

Sponsored by Rehabilitation Engineering Center on Universal Design at Buffalo

US Department of Education

National Institute on Disability and Rehabilitation Research

November 1 999 - 2004

The goal of this project was to create excellent examples of universally designed products with a high chance of commercialization. It increased awareness and commitment to universal design, forged product development teams, and developed product prototypes, which were then evaluated and tested using the Product Evaluation and Testing Process. The project also produced and documented product development methodologies, and information that other product development teams could use to develop universal products.

Prototype Evaluation and Testing Protect, \$90,000

Sponsored by Rehabilitation Engineering Center on Universal Design at Buffalo

US Department of Education

National Institute on Disability and Rehabilitation Research

November 1999 -2004

This project, which collaborated with the Rehabilitation Engineering Research Center on Technology Evaluation and Transfer and AZtech, Inc. located in SUNY-Buffalo, intended to develop a methodology to evaluate universal design products. It investigated technical factors, technology

appropriateness, and comparison with other competitive products to test prototypes. Marketing strategies were studied to identify unique marketing approaches and apply them to commercialize prototypes.

The Universal Bathroom, \$375,000

Sponsored by the Department of Education
National Institute on Disability and Rehabilitation Research
January 1997-January 2000

This three-year project researched bathroom needs, developed new designs and constructed three working prototypes. The results of the project have been extensively presented in many conferences, and the designs have received national recognition and they are being patented. Year-1 was devoted to conducting three types of research, user research, behavioral research and environmental research. In Year-2, the data collected was used to design and develop a universal bathroom. The bathroom was constructed and tested in Year-3.

Universal Design Criteria Project, \$30,000

Sponsored by the Center on Universal Design
North Carolina State University
1994-1997

This multi-year research dealt with the development of universal design criteria and testing the criteria for design of products and environments.

Height Adjustable Drinking Fountain, \$10,000

Invention Commercialization Enhancement Program
Sponsored by the Office of the Provost
State University of New York at Buffalo
1994-1996

This project dealt with the design, development, construction and testing of a height-adjustable drinking fountain. Deliverables included two fountain prototypes.

Accessible Signage Project, \$7,000

Sponsored by the State University of New York at Brockport
1994

This research, which investigated the "disabling" aspects of wayfinding in college buildings, examined the navigational

techniques disabled users employed in unfamiliar environments, and how poor signage "disabled" all users. The project included designing an accessible signage system for use by all people and parts of it were installed in 1995.

Accessible Bathing Facility, \$30,000

Rehabilitation Engineering Center on Aging
Sponsored by US Department of Education
National Institute on Disability and Rehabilitation Research
1991-1993

This research examined bathing needs of older people living at home. It studied the needs of independent bathers, dependent bathers and those caring for dependent individuals. The bathing needs of older bathers was compared with that of younger individuals to understand the unique needs of special users and general needs of all users. The results of the research were utilized to evolve performance criteria and design a universal bathing facility for use by all people.

Patient Transfer System, \$45,000

Sponsored by Columbus, McKinnon Corp., Buffalo, NY
1991-1993

This project studied the transfer-related needs of mobility-impaired individuals living at home and in institutions. It also studied the needs of independent users, special needs of dependent users, and the patient handling needs of care-providers who give assistance to dependent users. The findings of this research were utilized to develop a lift and carrying frame for home and institutional use.

TEAM MEMBER

Universal Design of Toys

Sponsored by US Department of Housing and Urban
Development
2001 -2005

This project focused on universal design as it applies to toys for children. It produced an assessment tool that allows parents to select, designers to design, and purchasers to buy universal design toys.

Fair Housing Means Universal Design

Sponsored by US Department of Housing and Urban Development

1994 -1996

This project dealt with the development of technical and educational materials for implementing the Fair Housing Accessibility Guidelines. Deliverables included focus group reports, two educational videotapes on bathroom and kitchen design, and several technical reports.

Universal Design Education Project: Strategies for Teaching Lifespan Issues to Future Designers

Sponsored by the National Endowment for the Arts

1993 -94

This project examined how universal design philosophies teach the notion of "good design." It developed a studio-based curriculum to teach architecture students and the contents were evaluated by exposing it to students in four studios. Projects from the studios have been presented at two national conferences. A book chapter, dealing with the curriculum has been published in Strategies for Teaching Universal Design, Co-publisher Adaptive Environments and MIG Communications.

Consumer Advocacy Project

Sponsored by Paralyzed Veterans of America, Washington, DC
1992-93

This research focused on developing background research and reports related to a class-action suit on behalf of people with disabilities. It was concerned with safety in vehicle interiors including materials, interior design, vehicle layout and emergency egress.

Publications

PEER REVIEWED BOOK CHAPTERS

Mullick, Abir. **Inclusive Indoor playthings: An approach to developing inclusive design guidelines.** International Journal of Work Innovation (IJWI). 2013;44 Suppl 1:5-17. doi: 10.3233/WOR-121489

Mullick, Abir. "**Universal Kitchens and Appliances.**" Editors, Elaine Ostroff, Wolf Prieser and Korydon Smith, Universal Design Handbook, Second edition, McGrawHill Design Handbook Publication, December 2010.

Mullick, Abir and Levine, Danise. "**Universal Bathroom.**" Editors, Elaine Ostroff, Wolf Prieser, and Korydon Smith. Universal Design Handbook, Second edition, McGrawHill Design Handbook Publication, December 2010.

Khare, Rachana and Mullick, Abir "**Using Evidence based Research Method to Design Inclusive Learning Environment for Autism.**" CRC Press of Taylor & Francis, Ltd. London, UK, July, 2010

Mullick, Abir. "**Universal Kitchens and Appliances.**" Editors, Elaine Ostroff and Wolf Prieser, Universal Design Handbook, McGrawHill Design Handbook Publication, May 2001.

Mullick, Abir and Levine, Danise. "**Universal Bathroom.**" Editors, Elaine Ostroff and Wolf Prieser, Universal Design Handbook, McGraw-Hill Design Handbook Publication, May 2001.

Steinfeld, Edward; Mullick, Abir; Day, Gary; Lownie, Theodore; Marsh, Todd; Mouritsen, Ole and Hagin, Jason. "**Studio Education Through Universal Design.**" Editor, Polly Welch, Strategies for Universal Design Education, Moore Iacofano and Goldsman Publication, Boston, March 1995.

ARTICLES

Mullick, Abir and Murgkar, Kavita. **Universal Design in India = Research and Design**, in Special Edition of Journal of Indian Architects, EdKavita Murgkar, March 2015

Mullick, Abir and Murgkar, Kavita. **Experiencing heritage sites: a phenomenological study involving people with vision impairment**, The Journal of Indian National Trust for Art and Cultural Heritage April 2015

Mullick, Abir and Gourab Kar. **Designing for Diversity: A Research Informed Design Study on Universal Workspaces.** Proceedings of the Conference on Environmental Design

Research Association in Los Angeles, 27-30 , 2015

Mullick, Abir and Gourab Kar. **Designing for Diversity: A Research Informed Design Study on Universal Workspaces.**

Proceedings of the Conference on Environmental Design Research Association in Los Angeles, 27-30 , 2015

Mullick. Abir and Murgukar, Kavita.**Inclusive Disaster Management: An Overview and Strategies.** Journal of the Indian Institute of Architects, October 2014.

Mullick, Abir. **Research+Design: Case of Inclusive Indoor Play for Children.** Proceedings of the Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Mullick, Abir and Kar, Gourab. **Research and Design Process: case of a Work Environment.** Proceedings of the Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Mullick, Abir and Murgkar, Kavita. **Can Touch Substitute Vision? An Emprical Study About How the Visually Impaired Comprehend Shapes.** Proceedings of the Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Mullcik, Abir and Khare, Rachna. **Vulnerable Population in Changing Environments: Research Tools to Study Autism.** Proceedings of the Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Mullick, Abir And Murugukar, Kavita Murugukar. **Can Touch Substitute Vision? An Empirical Study About How the Visually Impaired Comprehend Shapes.** Proceedings of the Environmental Design Research Association, New Orleans, May 2014.

Mullick, Abir. **Inclusion in Indoor Play For Children.** Proceedings of the Environmental Design Research Association, New Orleans, May 2014.

Mullick, Abir And Kar, Gourab. **Research and Design Process: Case Study of a Work Environment.** Proceedings of the Environmental Design Research Association, New Orleans, May 2014.

Mullick, Abir And Khare, Rachna. **Vulnerable Populations in Changing Environments; Research Tools to Study Autism.** Proceedings of the Environmental Design Research Association, New Orleans, May 2014.

Mullick, Abir. **Full Scale Models For Person-Environment Interaction: Case Study of a Bathroom.** Annual Meeting of the Human Factors And Ergonomics Society, San Diego, CA, October 2013.

Mullick, Abir And Kar, Gourab. **People, Places and Potentialities in Design: Research Tools to Examine Challenges in Behind-the-Counter Work.** Annual Meeting of the Human Factors and Ergonomics Society, San Diego, CA, October 2013.

Mullick, Abir And Agarwal, Shikha. **An Observational Study on Usability Issues in Mumbai Local Trains.** Annual Meeting of the Human Factors and Ergonomics Society, San Diego, CA, October 2013.

Mullick, Abir And Khare, Rachna. **Research Tools to Learn About the Needs of Children with Autism.** Annual Meeting of the Human Factors and Ergonomics Society, San Diego, CA, October 2013.

Mullick, Abir. **Improved Public Health Through Better Design of Community Toilets: A Case of Universal Access to Community Toilets in India.** Proceedings of the Environmental Design Research Association, Providence, May 2013.

Mullick, Abir and Kar, Gourab. **Designing with Users: A case study for design of dental workspace.** 56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012.

Mullick, Abir and Khare, Rachna. **Universal Design India Principles; A Contextual Derivative For Practice.** 56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012.

Mullick, Abir and Kumar, Ashok. **Research and Design of a Cultural Product: The Squat Latrine.** 56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012.

Mullick, Abir and Kumar, Ashok. **Universal Bathroom and Toilet Specifications for Indian Use.** RESNA Annual Conference, June 2012.

Mullick, Abir and Kar, Gourab. **Learning from People – A human-centered approach to universal design of workspaces.** RESNA Annual Conference, June 2012.

Mullick, Abir and Khare, Rachna. **A Research Methodology To Explore Environment As Prosthetic Support For Children With Autism.** RESNA Annual Conference, June 2012.

Mullick, Abir; Agarwal, Shikha; Kumar, Ashok and Swarnkar, Pushplata. **Contextual Research: Hearing from People in Indian Slums about Public Toilets.** TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012.

Mullick, Abir; Agarwal, Shikha; Kumar, Ashok and Swarnkar, Pushplata. **Contextual Research: Full Scale Simulation for Indian Public Toilet Specifications.** TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012.

Mullick, Abir; Khare, Rachna and Raheja, Gaurav. **Universal Design India Principles; A Collaborative Process of Developing Design Principles.** TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012.

Mullick, Abir and Khare, Rachna. **A User-Centric Approach To Design Inclusive And Prosthetic Learning Environment For Autism.** TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012.

Gourabh Kar and Abir Mullick. **Universal Design of Behind-the-Counter Workspaces.** TRANSED 2012, 13th International

Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012.

Anjlee Agarwal, Nidhi Madan and Abir Mullick. **UDIP: What It Is and Why, It's Benefits.** TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012.

Abir Mullick and Gourab Kar. **Universal Design at Work: A Case Study of Behind-the-Counter Workspaces.** SPANDREL- Journal of SPA: New Dimensions in Research of Environments for Living, published by the School of Planning and Architecture, Bhopal, India. Issue IV, Spring 2012.

Mullick, Abir; Agarwal, Shikha; Kumar, Ashok; and Swarnkar, Pushplata. **Universal Design Standards for Bathroom and Toilet: Full Scale Simulation of Indian Public Toilet Specifications.** The SPANDRELL, published by the School of Planning and Architecture, Bhopal, India. Issue 4, Spring 2011.

Mullick, Abir; Agarwal, Shikha; Kumar, Ashok; and Swarnkar, Pushplata. **Public Bathroom for Universal Access.** The Trellis, published by the National Institute of Design, Ahmadabad, India. Volume 2, Issue 7, June 2011.

Mullick, Abir., Grubb, R.L., Sung, Wooyoung and Topping, Marisa. **Play Preferences: Caregivers and Children.** Rehabilitation Engineering Society of North America Annual Conference, Las Vegas, 2010.

Mullick, Abir., Kar, Gourab., and Endicott, Sara. **The Fun in Play: Independence, Assistance, Effort and Difficulty.** Rehabilitation Engineering Society of North America Annual Conference, Las Vegas, 2010.

Khare, Rachna and Mullick, Abir **Using Evidence based Research Method to Design Inclusive Learning Environment for Autism.** Conference proceeding of Applied Human Factors and Ergonomics, Chicago, 2010.

Khare, Rachna and Mullick, Abir. **Universally Beneficial Educational Space Design for Children with Autism; the Research**

Progression. with focus on 'Play + Learn', hosted by International Association of Universities and College of Art, Design and Media (Cumulus) and Industrial Design Centre, at Indian Institute of Technology, Bombay, India, 2010

Endicott, Sarah., Mullick, Abir., Kar, Gourab., and Topping, Marisa. **Development of the Inclusive Indoor Play Design Guidelines.** Conference on Human Factors and Ergonomic Society. October, 2010.

Topping, Marisa., Mullick, Abir., Endicott, Sung, Wooyoung., and Kar, Gourab. **Children as Research Subjects: Methodologies for Collecting Data in Inclusive Indoor Play.** Conference on Human Factors and Ergonomic Society. October, 2010.

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REFEREED PUBLICATION REVIEWER

Chief Editor, EDRA6, Los Angeles, 2015

Human Factors and Ergonomic Society, 1996-Present

Rehabilitation Engineering Society of North America, 1998-Present

Environmental Design Research Association, 2009-Present

The ARCC Architectural Research Conference, 2010-Present

Julian, F., Albarracin, J., *Dibujo Para Diseñadores Industriales*, Parramon Ediciones, Barcelona, Spain (2009)

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RESEARCH PROPOSALS FUNDED

Railway Design Center

Wrote a proposal for NID Ahmadabad, Railway Design Center to Indian Railways, Ministry of Railways in 2011 and secured Rs. 10 Crores.

Parking Technology

ACS Transportation, Atlanta, GA January 2008- June 2008

Workplace Design in RERC Workplace Modifications

Rehabilitation Engineering Research Center on Universal Design, funding agency, the National Institute on Disability and Rehabilitation Research, US Department of Education, May 2007.

Inclusive Indoor Play Project

Rehabilitation Engineering Research Center on Universal Design, funding agency, the National Institute on Disability and Rehabilitation Research, US Department of Education, May 2003.

Product Development Initiative Project

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Product Evaluation and Testing Project

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Universal Bathroom

National Institute on Disability and Rehabilitation Research, US Department of Education, a three-year project, funded in September 1996.

Height Adjustable Drinking Fountain

Office of the Provost, State University of New York at Buffalo, funded in 1994.

Accessible Signage Project

State University of New York at Brockport, funded in 1994.

Universal Design Education Project: Strategies for Teaching Lifespan Issues to Future Designers, (Edward Steinfeld and Abir Mullick)

National Endowment for the Arts and Adaptive Environments Center, Boston, 1993.

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National Institute on Disability and Rehabilitation Research, US Department of Education, 1991.

Patient Transfer System

Columbus, McKinnon Corporation, Amherst, NY, a two-year project, funded in 1991.

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Inclusive Technology for Education, Health and Play

Rehabilitation Engineering Research Center on Universal Design, funding agency, the National Institute on Disability and Rehabilitation Research, US Department of Education, February 2012. (\$600,000)

Inclusive community through universal design education

Abir Mullick, Georgia Tech and Rachna Khare, SPA Bhopal (PI)
Obana-Singh Initiative – Georgia Tech/University at Buffalo/SPA Collaboration
University Grants Commission
December 2011

OTHER PUBLICATIONS

Rachna Khare, Shivani Gupta, Gaurav Raheja and Abir Mullick (invited member and lead author) (2013). **Inclusive Community Through National Institute of Universal Design.** A report for the Ministry of Social Justice and Empowerment, Government of India, May 2013.

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Mullick, Abir. **Product Description and Specifications: A Survey: of Bathing Products**, 1992

This report documents design study of over 100 bath products available in the market: their function, structure, use, materials, production technology, maintenance, and storage. The study utilized a visual methodology to examine these products' physical characteristics and how well they met physiological, anatomical, psychological and social needs of users.

Mullick, Abir. **Publication Review: A Survey of Literature on Bathing**. 1992

This report documents a study that reviewed the literature on bathing: history of bathing; social, physical and psychological aspects of bathing; effects of technology in the development of bathroom fixtures; and bathroom-related studies.

Mullick, Abir. **Consumer Interview Report: Survey of Elderly Bathers and Careproviders**, 1992

This report describes a field study of bathing needs and preferences of older people and their care-providers. The study generated qualitative data about bathing needs and preferences of independent bathers, dependent bathers and those caring for them.

Mullick, Abir. **Design Development: Universal Bathing Unit**. 1992

This report documents the design of a universal bathing facility that caters to a vast range of users, from children to older adults. It allows users and care-providers to individualize its design and to **make** changes to it as their needs change. The bathtub/shower is in the process of receiving utility patents. The patent application has made numerous invention claims.

Public Presentations

KEYNOTE SPEAKER

Value Added Education: An Institution Building Process, Conference on “Teaching Excellence in Higher Education”, HL Commerce College, Ahmedabad, September 29, 2016.

Reinventing Higher Education, Seminar at CASE, Educational Research at MSU in Baroda, March 9, 2015

“Universal Design for India as different from the West: Case Study of Research and Design”. Universal Design 2015 And Development, a conference organized by British Council and D. J. Academy in Coimbatore,, at The Residency,\in Coimbatore on March 13, 2015.

“Inclusive Spaces for Children with Autism; Development of Ethically Appropriate Research Tools” the Conference on Universal Design Environmental Design Research Association in Los Angeles, 27-30, 2015

“The Missing Body in Architecture: Towards Universal Design”
The Conference on History and Design Education, National Institute of Design, Ahmadabad, India March 2011

“Architecture and the Human Body”

The conference on Contextual Contemporary Culture, Chennai, India
January 2011

“Universal Design India”

Founder’s Day Celebration; School of Planning and Architecture, Bhopal, India
November 2010

“The Past, Present and Future of Universal Design”

Conference on Universal Design and Information Technology, Seoul, Korea, May 2007.

"The Universal Bathroom for Everyone"

The World Congress on Environmental Design for the New Millennium, Seoul Korea, November 9-21, 2000.

INVITED SPEAKER

“Accessible Museums”. World Living Heritage Festival – 2016; An International Conference on Living Heritage’ Sponsored by UNESCO, Maharana of Mewar Charitable Foundation and the French Embassy in India in Udaipur, India, March 2016

“Employable Education”. A New Paradigm in Higher Education”. A Public Lecture Series, organized by Baroda Management Association, Baroda, India, March 2016.

“Designing for Diversity: A Research Informed Design Study on Universal Workspaces”. The Conference on Environmental Design Research Association in Los Angeles, 27-30 , 2015

“Designing for Diversity: A Research Informed Design Study on Universal Workspaces”. The Conference on Environmental Design Research Association in Los Angeles, 27-30 , 2015

“Design Education – Past, Present and Future”
IBEK University, Ankara, Turkey
May 2014

“Is IT OK TO Like Art”
Navrachana International School
Baroda, India, August 2013

“Alternative to Open Defecation through Universal Design of Toilets”
Emory University
Rollins School of Public Health, November 2012

“Design-Research Connection”
Dr. B. N. College of Architecture, Pune, India, June, 2012

“The Role of Scholarship in Indian Schools of Architecture and Planning”
The School of Planning and Architecture, Bhopal, India June, 2012

“Public Toilets in Indian Slum: Research and development”

A Public Lecture, National Institute of Design, Ahmedabad, India June 2011

“Universal Design Education”

The School of Planning and Architecture, Bhopal, India March 2011

“Design Education in Turkey”

A Panel discussion sponsored by METU University, Ankara, Turkey, April 20, 2011

“Public Toilets in Indian Slum: Context and Content”

Vision Plus 2010 Conference, National Institute of Design, Ahmadabad, India November 2010

“Early Design Education”

Dreamline Conference 2010, Ankara, Turkey, April 9, 2010.

“Design Education: Global Perspective”

A Panel discussion sponsored by Melikash University, Kayseri, Turkey, April 14, 2010

“New Trends in Design Education”

Panel discussion sponsored by Tobb University of Economics and Technology, Ankara, Turkey, April 13, 2009.

“Early Design Education”

Dreamline Conference sponsored by Samanyolu Foundation, the Turkish government and the United Nations, Ankara, Turkey, April 2009.

“Fostering Design Education in High School”

Dreamline Conference sponsored by Samanyolu Foundation, the Turkish government and the United Nations, Ankara, Turkey, June 2007.

“The Future of Industrial Design in the Changing Global Market” National Conference of the Industrial Designers Society of America, Austin, TX, Summer 2006.

“Children as Natural Designers”

Dreamline Conference sponsored by Samanyolu Foundation, the Turkish government and the United Nations. Ankara, Turkey, June 2006.

“Universal Design in Products”

Design and Diversity University at Buffalo, Buffalo, October 2003

“Products in Universal Environments”

Principal Speaker at the Conference, Performing Arts and Section 504. The John F. Kennedy Center for the Performing Arts, Washington DC, August 2003

“Universal Design: A New Design Education Paradigm”

Milwaukee Institute of Art and Design, Milwaukee, March 2003

"Environmental Access and Universal Design: Indian Initiative" Public lecture sponsored by the National Council for the Promotion of Employment of Disabled People at the India at the International Center, New Delhi, India, January 2001.

"Universal Design in the Bathroom"

Lecture-workshop at the School of Planning and Architecture, New Delhi, India, January 2001.

"Universal Design Education: University at Buffalo Experience"

The XIX World Congress of Rehabilitation International, Rio de Janeiro, Brazil, August 2000.

"Housing in a Universal City: Accessible living Places"

RESNA Technical Assistance Project National Meeting of Assistive Technology Act Grantees, sponsored by the National Institute on Disability and Rehabilitation Research, Washington DC, August 2000.

"Universal Design and Public Access: An International Perspective" Invited by Akil Akil, Chief, the United Nations Economic and Social Commission for Western Asia (ESCWA)

to participate in a seminar on Environmental Accessibility, sponsored by ESCWA, Lebanon, Beirut, November-December 1999.

"Universal Design and Universal Bathroom"

Indian Institute of Technology,
New Delhi, India, January 1998.

"Universal Design and Design Research"

Indian Institute of Technology,
Bombay, India, January 1998.

"Design for Everyone"

National Institute of Design, Ahmadabad, India, January 1998.

"Universal Design -The Future of Design is Here"

Fall Kitchen and Bath Event. Sponsored by Architecture and Designers Building, New York, November 1997.

"Universal Design: What Is It and What Is It Not"

Universal Design Symposium/Workshop, San Francisco State University, San Francisco, October 1996.

"Providing Assistance and Care in Bathing"

School of Nursing, State University of New York at Buffalo, Buffalo, October 1994.

"The Mechanization of the Bath"

Department of Interior Design, Buffalo State College, Buffalo, October, 1994.

"One Road Many Destinations: Making A Case for Social Design"

Conference of Challenging the Practice and Education of Design: Social and Environmental Responsibility, Pratt Institute, New York, March 1993. Moderated by Herbert Muschamp, chief architecture critic, New York Times.

"Can You Bathe Safely?"

Laymen's league, Unitarian Universalist Church, Buffalo, NY, February 1993.

LECTURES, WORKSHOPS AND PRESENTATIONS

Research+Design: Case of Inclusive Indoor Play for Children

Abir Mullick

The Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Research and Design Process: case of a Work Environment

Abir Mullick and Gourab Kar

The Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Can Touch Substitute Vision? An Empirical Study About How the Visually Impaired Comprehend Shapes.

Abir Mullick and Kavita Murgkar

The Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Vulnerable Population in Changing Environments: Research Tools to Study Autism

Abir Mullick and Rachna Khare

The Conference on Universal Design 2014, Lund University, Lund, Sweden, June 16-18, 2014.

Full Scale Models for Person-Environment Interaction: Case Study of a Bathroom

Abir Mullick

The 57th Annual Meeting of the Human Factors and Ergonomics Society, October, 2013.

People, Places and Potentialities in Design Research – An analysis of BhC Workspaces

Abir Mullick and Gourab Kar

The 57th Annual Meeting of the Human Factors and Ergonomics Society, October, 2013.

An Observational Study on Usability Issues in Mumbai Local Trains

Abir Mullick and Shikha Agarwal

The 57th Annual Meeting of the Human Factors and Ergonomics Society, October, 2013.

Research Tools to Learn About the Needs of Children with Autism

Abir Mullick and Rachna Khare

The 57th Annual Meeting of the Human Factors and Ergonomics Society, October, 2013.

“Improved Public Health Through Better Design of Community Toilets: A Case of Universal Access to Community Toilets in India”

Abir Mullick

EDRA44, Conference of the Environmental Design Research Association, Providence, May 2013.

“Learning From Traces – A Case Study of Behind-the-Counter Workspaces”

Abir Mullick and Gourab Kar

EDRA44, Conference of the Environmental Design Research Association, Providence, May 2013.

“User Centric Evidence Based Design Guidelines for Inclusive Schools for Children with Autism”

Abir Mullick and Rachna Khare

EDRA44, Conference of the Environmental Design Research Association, Providence, May 2013.

“Designing with Users: A case study for design of dental workspace”

Abir Mullick and Gourab Kar

56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012.

“Universal Design India Principles; A Contextual Derivative For Practice”

Abir Mullick and Rachna Khare

56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012.

“Research and Design of a Cultural Product: The Squat Latrine”

Abir Mullick and Ashok Kumar

56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012.

“Universal Bathroom and Toilet Specifications for Indian Use”

Abir Mullick and Ashok Kumar

RESNA Annual Conference, June 28-July 3, 2012.

“Learning from People – A human-centered approach to universal design of workspaces”

Abir Mullick and Gourab Kar

RESNA Annual Conference, June 28-July 3, 2012.

“A Research Methodology To Explore Environment As Prosthetic Support For Children With Autism”

Abir Mullick and Rachna Khare

RESNA Annual Conference, June 28-July 3, 2012.

“Contextual Research: Hearing from People in Indian Slums about Public Toilets”

Abir Mullick, Shikha Agarwal, Ashok Kumar and Pushplata Swarnkar

TRANSED 2012, 13th International Conference on ‘Mobility and Transport for Elderly and Disabled Persons’, New Delhi, India, September 17-19, 2012.

“Contextual Research: Full Scale Simulation for Indian Public Toilet Specifications”

Abir Mullick, Shikha Agarwal, Ashok Kumar and Pushplata Swarnkar

TRANSED 2012, 13th International Conference on ‘Mobility and Transport for Elderly and Disabled Persons’, New Delhi, India, September 17-19, 2012.

“Universal Design India Principles; A Collaborative Process of Developing Design Principles”

Abir Mullick, Rachna Khare and Gaurav Raheja

TRANSED 2012, 13th International Conference on ‘Mobility and Transport for Elderly and Disabled Persons’, New Delhi, India, September 17-19, 2012.

“A User-Centric Approach to Design Inclusive and Prosthetic Learning Environment for Autism”

Abir Mullick and Rachna Khare

TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September 17-19, 2012.

“Universal Design of Behind-the-Counter Workspaces”

Gourabh Kar and Abir Mullick

TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September 17-19, 2012.

“UDIP: What It Is and Why, It's Benefits”

Anjlee Agarwal, Nidhi Madan and Abir Mullick

TRANSED 2012, 13th International Conference on 'Mobility and Transport for Elderly and Disabled Persons', New Delhi, India, September, 2012 September 17-19, 2012.

“Public Toilets in Indian Slums”

Abir Mullick

A presentation to Sulabh International on the state-of-the-art of public toilets in India, April 2011

“Contextual Research in Public Toilets”

Abir Mullick

A presentation to Bombay Municipal Corporation on new designs of public toilets, April 2011

“Play Preferences: Caregivers and Children”

Abir Mullcik, R. L. Grubb, Wooyoung Sung and Marisa Topping Rehabilitation Engineering Society of North America Annual Conference, Las Vegas, 2010.

“The Fun in Play: Independence, Assistance, Effort and Difficulty”

Abir Mullick., Gourab Kar, and Sarah Endicott

Rehabilitation Engineering Society of North America Annual Conference, Las Vegas, 2010.

“Using Evidence based Research Method to Design Inclusive Learning Environment for Autism”

Rachna Khare and Abir Mullick.

Conference proceeding of Applied Human Factors and Ergonomics, Chicago, 2010

“Universally Beneficial Educational Space Design for Children with Autism; the Research Progression”

Rachna Khare and Abir Mullick.

International conference on „Designing for Children“ with focus on 'Play + Learn', hosted by International Association of Universities and College of Art, Design and Media (Cumulus) and Industrial Design Centre (IDC), at Indian Institute of Technology (IIT) Bombay, India, 2010

“Using Evidence based Research Method to Design Inclusive Learning Environment for Autism”

Rachna Khare and Abir Mullick

Conference proceeding of Applied Human Factors and Ergonomics (AHFE), Miami, USA, 2010.

“Designing Inclusive Educational Spaces for Children with Autism”

Rachna Khare and Abir Mullick

Proceedings of International Meeting for Autism Research, Chicago, USA, 2009

“Inclusive Indoor Play: Play and Playthings”

Abir Mullick and R. L. Grubbs

The Conference on Human Factors and Ergonomic Society, San Antonio, TX, October 2009.

“Inclusive Indoor Play: Children at Play”

Abir Mullick, Sarah.Endicott and Gaurabh Kar

The Conference on Human Factors and Ergonomic Society, San Antonio, TX, October 2009

“Inclusive Indoor Play: Children’s Drawings”

Abir Mullick and Marisa Topping

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“Designing Inclusive Educational Spaces with Reference to Autism”

Rachna Khare and Abir Mullick.

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“Inclusion in Indoor Play”

Abir Mullick and R.L. Grubb
The Include Conference, Royal College of Art, London, U.K.,
April 4-5, 2009

“Designing Educational Spaces for Autism”

Rachna Khare and Abir Mullick
Atlanta Autism Consortium, Georgia, USA. January 2009

“Educational Spaces for Children with Autism.”

Rachna Khare and Abir Mullick
Conference on Building Comfortable and Liveable
Environments for All, Georgia Institute of Technology, May,
2008.

"By Ourselves and with Others: In the Bathroom"

Integrating Differences: Theories and Applications of
Universal Design. Fashion Institute of Technology, October
2001.

"Assessing Universal Design: The Bathroom"

The World Congress on Environmental Design for the New
Millennium, Seoul, Korea, November 2000.

"Designing Universal: A Bathroom Case Study"

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Millennium, Seoul, Korea, November 2000.

"Inclusive/Exclusive: Universal Design Theory and Practice"

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Millennium, Seoul Korea, November 2000

**"Universal Design Education: University at Buffalo
Experience"**

The XIX World Congress of Rehabilitation International, Rio
de Janeiro, Brazil, August 2000.

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Universal Design"**

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de Janeiro, Brazil, August 2000.

"Measuring Universal Design -The Case of the Bathroom"

The Conference on Human Factors and Ergonomic Society,
Houston, TX, October 1999.

"Measuring Universal Design the Bathroom"

International Federation on Aging, Montreal, Canada,
September 1999

"Universal Design Education Project: Buffalo Experience"

Pre-conference Workshop, Designing for the 21st Century,
1998

International Conference on Universal Design, Hofstra
University, NY, June 1998.

"Beyond Universal Design Education Project"

Post-conference Workshop, Designing for the 21st Century,
1998

International Conference on Universal Design, Hofstra
University, NY, June 1998.

"Listening To People: The Bathroom"

Conference on Human Factors and Ergonomic Society,
Albuquerque, NM, September 1997.

"The Bathroom: Design and Disability"

Conference of Architectural Research Centers Consortium,
Atlanta, GA, April 1997.

"Kitchen Design"

Workshop on Bathroom and Kitchen Design, Buffalo, NY.
Sponsored by the National Kitchen and Bath Association,
August 1996.

"Conjunction"

Conference on Beginning Design Education, Baton Rouge, LA,
April 1996.

"Universal Design and Home Appliances"

Special Interest Forum on Accessible Appliances, Washington,
DC. Sponsored by Safe and Accessible Products, September

1995.

"Bathing for Older People"

A Special Interest Forum on Plumbing Fixtures, Dearborn, MI. Sponsored by Safe and Accessible Products, September 1995.

"Studio Education Through Universal Design"

Conference on Design Education, Dearborn, MI. Industrial Designers Society of America, August 1994.

"From Braunism to Social Design: A Social Criticism of Mass Production and Industrial Design"

Conference on Design Education, Dearborn, MI. Industrial Designers Society of America, August 1994.

"Difficulties and Dependence in Bathing"

RESNA 17th Annual Conference, Nashville, TN. Rehabilitation Engineering Society of North America, June 1994.

"Planning and Designing Environments for Older People with Disabilities"

A workshop at RESNA 17th Annual Conference, Nashville, TN. Rehabilitation Engineering Society of North America, June 1994.

"Design for an Aging Population"

Panel chair at Interface '93: 9th Symposium on Human Factors and Industrial Design in Consumer Products, May 1993.

"Bathing Needs of Home-Based Older Individuals and their Careproviders"

Interface '93: 9th Symposium on Human Factors and Industrial Design in Consumer Products, May 1993.

"Psychophysical Aspects of Bathing: A Survey of Bathing Needs of the Aging Population"

RESNA 8th Northeast Regional Conference, Buffalo, NY. Rehabilitation Engineering Society of North America, April 1993.

"Accessibility Issues In Park Design: Was Frederick Law Olmstead a Visionary?"

34th Annual Conference: Association of Collegiate Schools of Planning, Columbus, OH, October 1992.

"Safety Aspects of Airplane Interiors"

Working Session, Center for Inclusive Design and Environmental Access,
October 1992.

"Pedagogical Issues in Universal Design Education: Case Study of a Student Project"

Conference on Design Education, San Francisco, Industrial Designers Society of America, August 1992.

"Safe Exercising for All"

RESNA 15th Annual Conference, Toronto, Canada.
Rehabilitation
Engineering Society of North America, June 1992.

"Universal Design as it Applies to Product Design and Architecture"

Mullick, Abir, and Steinfeld, Edward
Conference on Recreation for Persons with Disabilities,
sponsored by the Eastern Paralyzed Veterans Association,
Buffalo, NY, May 1991.

"Assistive Products and Universal Design: Case of a Universal Product" Interface '91: 7th Symposium on Human Factors and Industrial Design in Consumer Products, May 1991.

"Social Design: A New Possibility for Industrial Design Education" Conference on Design Education, Minneapolis, MN, Industrial Designers Society of America, August 1989.

Exhibitions

"Made In Georgia", Abir Mullick and Carrie Davis, Co-Curators at MODA (Museum of Design, Atlanta, a subsidiary of Cooper-Hewitt Design Museum)
Spring 2007

Unlimited By Design

A national exhibition of universal design products and environments

Center for the Arts, University at Buffalo, NY

February 2004 – June 2004

This exhibit was visited by 3000 visitors, reviewed in 3 publications, appeared in 2 television shows and hosted 8 receptions and 19 group tours.

Unlimited by Design

A national exhibition of universal design products and environments. Milwaukee Institute of Art and Design in Milwaukee, WI, July 2002-March 2003.

16 Strategies to Seating

A show of chair designs by architecture students.

James Dyette Gallery, School of Architecture and Planning, SUNY Buffalo, May 7-20, 2003

Consulting

Maxx Corporation, a leading North American bath product manufacturer located in Montreal, Canada
Consultant on design of bathroom products for the elderly, 2005

Miserendino, Celniker, Seegert and Estoff, Attorneys, Buffalo

Expert consultation on a personal injury case (Expert Witness). 1997-98.

Department of Occupational Therapy, State University of New York at Buffalo

Consultant on design of walking sticks. 1996.

Pitula and Associates, Attorney, Chicago, IL

Expert consultation on a patent infringement case (Expert Witness). 1994-95.

Agate & Roche, Attorneys, Amherst, NY

Expert consultation on a personal injury case (Expert Witness). 1994-95.

Columbus McKinnon Corporation, Amherst, NY
Consultant on preparation of audio video materials for installing and maintaining the Patient Transfer System. 1993.

Occupational Training Center, Buffalo Public Schools, Buffalo Consultation on design of marketable toys capable of generating revenue for the Center. These toys, while being made in their workshop, were expected to train disabled students for vocational skills. 1993.

National Association of Meals on Wheels, Buffalo
Consultant on means of patient handling and safety maintenance in the bathroom (audience, social workers and nurses). 1992.

Sisters Hospital, Long-Term Home Health Care Program, Buffalo Consultant on providing care in bathing (audience, therapists, nurses and social workers). 1992.

Design Projects

NATIONAL INSTITUTE OF DESIGN, INDIA

Public toilets for Indian slums

GEORGIA INSTITUTE OF TECHNOLOGY (selected)

Playthings and Playscape

STATE UNIVERSITY OF NEW YORK AT BUFFALO (selected)

Universal Kitchen System

Universal Bathrooms

Universal Bathing Facility

Patient Transfer System

UNPAID ARCHITECTURE PROJECTS FOR FRIENDS (selected)

Home With A View (Buffalo)

A home that balances view and privacy.

For The Winds (Phoenix area)

Winds transform a fabric wrapped studio

Over the Waters (Lake Erie, Buffalo)

Boathouse for a small family

**Public and
University Service**

INTERNATIONAL AND NATIONAL COMMITTEES

Special Advisor, State of Haryana, 2015

Reinventing Design Education. State University of Performing and Visual Arts. Rhotak, Haryana

PhD Advisor (Sandeep Sankat), 2013-Present

School of Planning and Architecture, Bhopal, India

Advisor, Berkeley Prize, 2013-14

School of Planning project, 'Universal Design for Cultural Interface at Sacred Site of Ujjain in Madhya Pradesh'
The BERKELEY PRIZE is endorsed by the Department of Architecture, University of California, Berkeley, USA

PhD Advisor (Shikha Agarwal), 2012-Present

Indian Institute of Technology, Mumbai, India

PhD Advisor (Kavita Murugkar), 2012-Present)

Pune University, Pune, India

External Examiner PhD Committee, India, 2011

Indian Institute of Technology, Guwahati
Served as an examiner for PhD thesis

Universal Design India Principles, 2011

Invited to lead a team of 8 Indian experts to develop the Universal Design India Principles. These principles complement the international principles of universal design and contextualize them to address Indian requirements.

TRANSED 2011, Conference Advisory Board, 2011

Invited to review grant proposals for Korea Research Foundation. Member, Steering Committee, Thirteenth International Conference on Mobility and Transport for Elderly and Disabled Persons, New Delhi, India, September

17-21, 2012.

<http://www.rollinggrains.com/2011/06/transed-2012.html>

ACM Conference Advisory Board, 2010

Member, Advisory Board, Eighth ACM Conference on Creativity and Cognition at Georgia Tech in Fall 2011. This is an international conference and the URL for the 2009 conference is <http://www.creativityandcognition09>

Reviewer, Korea Research Foundation, 2011

Invited to review grant proposals for Korea Research Foundation. This organization is much like the US National Science Foundation.

Editorial Advisory Board, 2009-present

Invited to be on the Editorial Advisory Board of SPANDREL, a Bi-annual internationally refereed journal of School of Planning and Architecture, Bhopal, India.

Oasis Project, 2009

Invited by the Architecture For Humanity-Atlanta and the Oasis Project to serve on the selection committee of design professionals and city of Atlanta public transit advocates to set the standard for transportation designs and review entries for benches and shelters to be installed throughout the city of Atlanta.

Editorial Advisory Board, 2009-2012

Invited to be on the Editorial Advisory Board of MULTI: The RIT Journal of Diversity & Plurality in Design, a Bi-annual internationally refereed journal of Rochester Institute of Technology.

Editorial Advisory Board, 2008-present

Invited to be on the Editorial Advisory Board of ABACUS, a Bi-annual internationally refereed journal by the Department of Architecture, BIT Mesra, India.

Dreamline Competition, 2006-present

Continue to serve a member of the jury for an international design competition with participants from 25 countries. This competition is juried by judges from six countries and it is

sponsored by Samanylu Foundation and the Government of Turkey.

Fulbright Advisor, 2007

Faculty Advisor for Rachna Khare, a Fulbright scholar and architecture faculty at BIT, Mesra. Rachna pursued doctoral work on learning environments for children with autism.

Developing Graduate level Interdisciplinary Curriculum for Creating Safe and Effective Healthcare Environment. 2007

Members on the Advisory Committee, sponsored by the Robert Wood Johnson Foundation.

Standards and Research Review Board, 2007

National Institute on Disability and Rehabilitation Research (NIDRR) U.S. Department of Education.

Appointed a member of the task force that conducts a methodical review of research guidelines and develop consensus/position statements regarding systematic reviews and evidence-based guidelines.

United Nations, New York, 1999-present

Appointed by the United Nations as an international expert on environmental accessibility.

Access to Design Professions. 1999-present

A think-tank meeting of experts in universal design, education and disability. Sponsored by the National Endowment for the Arts. Organized by Adaptive Environments Center in Boston

Universal Design Committee, 1993

National Institute on Disability and Rehabilitation Research
US Department of Education

Committee on Universal Design, 1993

National Kitchen and Bath Association of America

UNIVERSITY AND DEPARTMENTAL COMMITTEES

Member, Academic Senate, 2012-Present

Georgia Institute of Technology

Member, Reappointment Promotion and Tenure Committee, 2009-12

College of Architecture
Georgia Institute of Technology

Admissions Committee, 2010-present

Appointed by the Chair, School of Industrial Design
College of Architecture
Georgia Institute of Technology

Undergraduate Task Force, 2008

Appointed by the Dean
College of Architecture
Georgia Institute of Technology

Member, Admissions Committee, 2005-present

Industrial Design
Georgia Institute of Technology

Chair, Admissions Committee, 1996-2005

Appointed by the Chair
Department of Architecture,
State University of New York at Buffalo

Member, Architecture Accreditation Committee, 1995-2005

Appointed by the Chair
Department of Architecture,
State University of New York at Buffalo

Faculty Coordinator, Photography Lab, 1994 –2000

Department of Architecture,
State University of New York at Buffalo

Exterior Signage Project Team, 1998-2001

Appointed by the Senior Vice President
State University of New York at Buffalo

Curriculum Committee, 1994-1997

Appointed by the Chair
Department of Architecture,
State University of New York at Buffalo

Institutional Review Board, 1990-1997

Appointed by the President
State University of New York at Buffalo

Admission and Advising Committee, 1994-96

Appointed by the Chair
Department of Architecture
State University of New York at Buffalo

Search Committee, 1992-96

Appointed by the Chair
Department of Architecture
State University of New York at Buffalo

Curriculum Committee (Design Studies Program), 1990-1992

Department of Planning and Design
Appointed by the Chair
State University of New York at Buffalo

Exhibition Committee, 1990-1991

School of Architecture and Planning
Appointed by the Chair
State University of New York at Buffalo

Industrial Design Education Committee, 1989-1990

Department of Creative Arts Appointed by the Chair Purdue
University

Citizen

USA
Overseas Citizen of India