

**Professor David Weightman MDesRCA IDSA** graduated from the Royal College of Art, London in 1970 with a Masters degree in Industrial Design Engineering. His career has combined working in Higher Education, latterly in Senior Administrative positions, with research and consultancy activities.

Until 2007 he was the Director of the School of Art + Design at the University of Illinois @Urbana-Champaign, where he continues as a Senior Faculty member in the Industrial Design program. Prior to that he was the Dean of the School of Art + Design at Staffordshire University in the UK, following a number of years teaching on the renowned Industrial Design Transport program at the (now) Coventry University.

Whilst at Coventry and Staffordshire he was a consultant to companies including Yamaha, Massey Ferguson, British Rail, BBC television and the Tate Gallery, including a period running the Industrial Design Consultancy Unit at Coventry. His early consultancy and research work was in Intermediate Technology for Developing countries, and then in user-centred product design. His current research is in the relationship between products users and the design/manufacturing process, particularly the new relationships enabled by digital technology.

In Education, he has acted as advisor to the British Design Council, the Council for National Academic Awards, and the Department of Trade and Industry, participating in many program validations and research projects. He was a member of the Executive of the Council for Higher Education in Art and Design (CHEAD) and has presented papers and run workshops for the National Association of Schools of Art and Design (NASAD), the US equivalent, since moving to the US in 2004. In 2011 he was elected District Vice President for the MidWest district of the Industrial Design Society of America (IDSA) and served as a member of the Executive board for IDSA from 2011 till 2015

#### **Higher education (year of graduation)**

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1970	MDes RCA, Royal College of Art, London
1968	BDes RCA, Royal College of Art, London

#### **Employment record**

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2007 to date / Professor/Industrial Design School of Art and design UIUC  
2004 - 2007 / Director, School of Art + Design, UIUC  
1992 – 2003 / Dean, School of Art and Design, Staffordshire University  
1989 – 1992 / Head of Department of Design, Staffordshire Polytechnic  
1985 – 1989 / Principal lecturer, Product design, North Staffordshire Polytechnic  
1983 – 1985 / Director, Industrial Design Unit, Coventry Polytechnic  
1973 – 1985 / Senior lecturer, Industrial design transport, Lanchester Polytechnic, Coventry  
1971 – 1973 / Lecturer, Foundation studies, Cardiff College of Art

1969 – 1970 / Designer, Industrial Design Centre, Indian Institute of Technology, New Delhi

### **Current class load**

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ARTD 302 Junior studio

ARTD 502 Graduate studio 1

ARTD 426 Product Innovation

ARTD 230 / TE 230 Design thinking / need finding for Technology Entrepreneur Center

BADM 366 Product development for Technology Management Program

SE 402 Digital prototyping for General Engineering curriculum , with Jim Leake

### **Design awards**

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1977            Design and Industry Association Melchett Memorial award (with Ian Barwell) for the design of a CKD bicycle/tricycle

### **Professional activities**

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2016            Appointed Faculty Fellow Autodesk LLC

2014            IDEA Studio Scholar Autodesk LLC San Francisco

2010            Elected District Vice President of Industrial Design Society of America (IDSA), for MidWest District, with IDSA Board position

2008-10        Invited participant in National Science Foundation workshops on future of Graduate Engineering education, VA, MI, IL, CA

2008            Appointed iFoundry fellow, UIUC College of engineering

2008            Appointed external moderator for ID program, NUS Singapore

2008            Appointed External Monitor for Masters of Design by Project program, Unitec, Auckland, New Zealand

2008            Invited to be member of National working group on the future of Design Education for NASAD ( National Association for Schools of Art and Design),

2007            Leader, X-lab Creativity workshop, for A\*STAR Singapore, August

2004            Member Industrial Design Society of America

2002 - 2003    Member of Steering group, North Staffordshire Design Initiative

2002 - 2003    Member of the Design Research Society

2002 - 2003    Reviewer for the Design Journal

2001 - 2002    Reviewer for the 3<sup>rd</sup> Design and Emotion Conference (2002) Loughborough, UK

2001- 2004    Member of North Staffordshire Design Forum

2001- 2004    Member of Design Action team, Ceramic Industry Forum

2000 - 2003    Elected Executive member Council of Higher Education in Art and Design (CHEAD)

1995            Elected Fellow Chartered Society of Designers

1994 – 1997    Member of editorial board CoDesign journal

1993 Specialist advisor 3D Panel CNAA ( Council for National Academic Awards )

### University service

2017 Appointed Fellow, Siebel Center for Design ( SC4D )  
2017 Member Advisory Board LAS Designing your life Initiative  
2017 Appointed Professor, Technology Entrepreneur Center  
2017 Appointed 0% Faculty member Carle Illinois Medical school  
2014- 2018 Member of Core Planning committee and Executive committee for SC4D  
2008 Appointed I-foundry fellow, UIUC College of Engineering  
2012 – to date Member Entrepreneurship Round table

### Consultancy experience

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2015 Consultant to Mimosa Acoustics on Hearing protection project for US Navy  
1989 Exterior styling, production tooling design and construction for body work of AMI and Knype buses for Potteries Motor Traction Engineering, Stoke-on-Trent  
1987 Design concepts and design team focus groups to develop the Tough Terrain and Conveyancer lift trucks for Coventry Climax Ltd, Coventry  
1986 Design of training aids and manuals for improved parts handling processes for Caterpillar UK, Leicester  
1986 Design and construction of special effects model sets for television productions of Alice in Wonderland and Red Dwarf for BBC TV, London  
1985 Ergonomic studies, cab design and safety labels for 300 series tractor for Massey Ferguson Ltd, Coventry  
1984 Design of aids and production centres for SPC training, Torrington International, Coventry  
1981 – 1983 Design concepts, ergonomic rigs and user studies for projected double-decker rail coach for British Rail Research, Derby  
1982 Design studies for baggage trolleys for British Rail International, London  
1982 Design and prototyping of fairing for Yamaha XS1100 motorcycle with associated aerodynamic test programme at MIRA for Yamaha Europe, Amstelveen  
1981 Design of cab interior for Trantor high speed tractor, for Trantor Ltd,  
1979 Design of a car seat belt adaptor (in conjunction with Institute of Consumer Ergonomics, Loughborough University), for the Colostomy Association, London  
1978 Investigation of adapted production vehicles for paraplegics as alternatives to existing Department of Health motortricycle, for Trike Users Association, Bansted

1973 – 1976 Design of interactive educational exhibitions for children, installed as Tate Kidsplay 1, 2 and 3 exhibitions for the Education department, Tate Gallery, London (including installation in Melbourne, Australia)

## Research Projects

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2015 Project funding to support interdisciplinary course development Autodesk LLC \$30K  
2008 Designmatters Reading group, IPRH funding \$500  
2007 - 2012 Special funding from Provost, Deans of Engineering and FAA to support  
“Raising awareness of design thinking “ including Designmatters lecture series,  
2005 Campus Research Initiative grant for feasibility study Intermedialab \$40K  
2001-2004 Design awareness seminars, International design competition and Design  
advisory network projects within “Leading by design” project for Ceramic  
Industry Forum, funded by DTI. Total project funding £1800K over five years  
2001 Skillbase – a study of technical skills instruction in UK Art and design educational  
institutions for ADC-LTSN (Art and design subject centre) Project funding £5K  
2000 North Staffordshire Design Initiative report for the North Staffordshire Partnership and  
Advantage West Midlands £50K  
1999 In company design awareness programme for GKN Technology, funded by DTI £7.5K  
1990 Guidelines for collaboration between design colleges and industry, funded by Design  
Council £2.5K  
1989 Study into business awareness of students on UK design courses, funded by CNA  
1982 Ergonomic data manual for designers, Coventry Polytechnic  
1978 Wheelbarrow ergonomics study funded by Intermediate Technology Development  
Group ( ITDG )  
1975 Study of future applications of pedal power in developing countries, funded by ITDG

## Publications

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### Refereed Conference presentations and publications

**Weightman D**, Monzel-Hughes K, Davis M, Anderson E ( 2010) Design futures2, NASAD National conference, Seattle, October

**Weightman D**, Monzel-Hughes K, Davis M, Anderson E ( 2010) Design futures, NASAD National conference, Cincinnati, September

**Weightman D** (2010) What murdering, ratrodding, pimping and hacking mean for Industrial design practice, IDSA National conference, Portland, August

**Weightman D**, (2009) Design thinking WTF, European Academy of Design conference, Aberdeen , April

**Weightman, D** (2008) Workshop on conferences in a Web 2.0 world, IDSA National Education conference, Phoenix, September

**Weightman D** and McDonagh D (2007) Users connecting with the design process: Has the paradigm shifted? In International Council of Societies of Industrial Design + Industrial Design Society of America Educators' Congress. San Francisco, October 2007 (in press).

**Weightman D** and McDonagh D (2006) The New Landscape of Design Business: Key Directions of Design Education.

Hatch P and McDonagh D (eds.)(2006) REALIZE: Design Means Business. Chicago: Industrial Design Society of America.

**Weightman D** and McDonagh D (2006) The new landscape of design: cool hunting and other opportunities Industrial Design Society of America annual conference, Austin, Texas, September.

McDonagh D, Formosa D, Fulton Suri J and **Weightman D** (2005) Product Design: Impact on the Ageing Individual. The 1st World Ageing and Generations Congress 2005, St Gallen, Switzerland, October 2005. pp. 237-247.

**Weightman,D** (2005) "Developing a research culture in art and design education" Annual conference of National Association of Schools of Art and Design, Philadelphia (October)

**Weightman D** and McDonagh D (2004) "Developing Industrial Design, a British perspective." IDSA Education Conference, Pasadena (October)

**Weightman D** and McDonagh D (2003) "If kettles are from Venus and televisions are from Mars, where are cars from?" The European Academy of Design conference, Barcelona,

**Weightman D** and McDonagh D (2003) "People are doing it for themselves". Designing pleasure in products conference, Carnegie Mellon University, Pittsburgh, USA (June)

**Weightman D** and McDonagh D (2002) "In the future, will design be just for you?" In the conference proceedings of the Universal Design 2002 Conference, Yokahama, Japan (November)

**Weightman D** (1995) "Obsession, enthusiasm etc" for the Participatory design conference, Brighton University

**Weightman D** (1995) "Obsession, enthusiasm and interaction in the design process"  
Co design 3, ISSN 1355 302X

Working papers on cycle trailer design and wheelbarrow design for ITDG, London

**Weightman D** (1983)The XS1100 project, Design magazine

**Weightman D** (1983) “The Speedy”, Bicycle magazine (September) pp.32-39

**Current research interests**

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Design thinking , enterprise development, participatory design, customisation, CAD

**David Weightman** / Professor ID / UIUC / April 16, 2019