



- Professor in Practice of Architectural Technology at Harvard GSD
- Member of Harvard GSD Faculty Board for Executive Education Division
- Visiting Professor of Architectural Technology at KTH Stockholm (2008-2012)
- First structural engineer to be appointed as CABE Commissioner (2008-2012)
- One of fifteen members of the 'Design for London' Advisory Group to the Mayor of London (2007-2008)
- Member of the Architecture Foundation's Board of Trustees
- Member of 2011 RIBA Stirling Awards Jury
- External examiner for the Architectural Association
- Awarded the ACE Engineering Ambassador of the Year 2011
- Member of Design Council CABE, London Design Panel 2012
- Member of Aga Khan Award for Architecture Master Jury 2004 and Steering Committee 2015
- Member of the New London Sounding Board
- Review Panel - Swiss National Science Foundation, NCCR Digital Fabrication

Prof Hanif Kara

BSc (Hons) CEng FStructE FICE FREng Hon FRIBA FRSA

Co-founder and director of AKT II

Hanif Kara is a principal and co-founder of London-based structural engineering practice AKT II, as well as an educator. Under his leadership the practice has, in the last decade, gained an international standing in the field of the built environment.

Since forming AKT II (originally as Adams Kara Taylor) in 1996, he has been responsible for a number of innovative and pioneering projects but also for raising the profile of 'design', both in the construction industry and the wider community. His role as a design director includes the responsibility of securing work. This requires a clear vision, pioneering strategies, a passion and pride in civil and structural engineering, conceiving interesting 'engineering' solutions, confidence, and a desire to be a team player.

His particular design-led approach and interest in innovative forms, historical structures and material uses, prefabrication, sustainable construction and complex analysis methods have allowed him to work on award-winning and unique projects. Since 1996 the practice has **won over 350 design awards**, with many for projects led by Hanif as design director. Some include prestigious awards such as the Stirling Prize for the Sainsbury Laboratory in Cambridge and Peckham Library in London, the Lubetkin Prize for the UK Expo Pavilion 2010 in Shanghai, and RIBA Sustainable Building of the Year for Heelis, the National Trust HQ in Swindon, and a number of projects in London's Olympic Park and King's Cross.

His contribution to the industry has been recognised by professional bodies, where he is a fellow member of the Royal Academy of Engineering, the Institute of Civil Engineers and the Institute of Structural Engineers. In 2004 he was made an Honorary Fellow of the Royal Institute of British Architects. He has made numerous written contributions to various construction journals and technical papers, including a quarterly column in the RIBA Journal on issues that affect the industry.

Hanif's choice to engage with the industry beyond the technical aspects of the structural engineering discipline led to his appointment as a commissioner for influential government watchdog **CABE** (Commission for Architecture and the Built Environment) in 2008 - the first structural engineer to be appointed to this position. For CABE he chaired the design review panels and was instrumental in raising the importance of design through chairing the '**Inclusion by Design**' group and '**Energy from Waste Facilities**' group, in addition to being a member of the Crossrail design panel.

Hanif was also appointed as a member of the Design for London advisory group to the Mayor of London in 2007 and 2008. Since 2010 he has been a member of the

board of trustees for the Architecture Foundation.

In the global context, the **Aga Khan Award for Architecture** is recognised as one of the most important awards in the industry. Hanif was the first structural engineer to be selected for the **Master Jury** for the 2004 cycle of the awards. He has since continued to contribute to a number of publications relating to the AKA, and was appointed to the steering committee for its 13th cycle in 2015.

His work is also intertwined with the research and education of design. Following a period of co-tutoring a Diploma Unit at the Architectural Association in London from 2000 to 2004, in 2008 he accepted a position as the visiting Pierce Anderson Lecturer in Creative Engineering at the **Harvard Graduate School of Design** where in 2012 he was appointed **Professor in Practice for Architectural Technology**.

Hanif also edited Design Engineering, a retrospective of AKT's first decade, which was published in 2008, and followed this by co-editing Design Engineering Refocused in 2016. He has also contributed to many other publications and exhibitions relating to design and the role of engineering.

Experience

Since graduation in 1982, Hanif has worked in a variety of fields of design, including specialist structures such as tension structures, roller coasters, offshore platforms and power stations. A selection of recent projects is included in this section.

Infrastructure & Civil Engineering

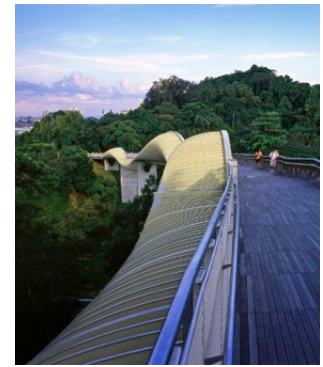
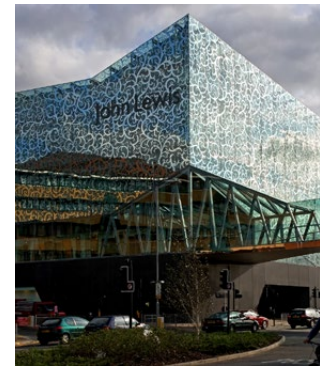
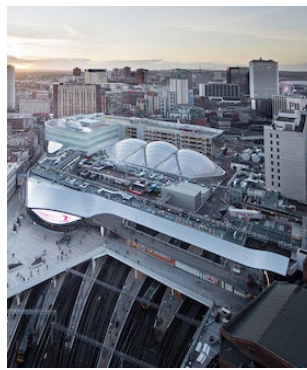
- U.K.A.E.A. Workshops, Warrington
- Rihand Power Station, India
- Heysham Powerstation, Morecambe
- Birmingham New Street Station
- Oslo Gardermoen Airport, Norway
- Queen Elizabeth Olympic Park, London
- King's Cross Central, London

Housing

- CASPAR I, Birmingham
- Cadogan Mansions, London
- Duke of York Headquarters, London
- Adelaide Wharf, London
- St Andrew's, London

Commerce

- Duke of York Headquarters, London
- Symons Street, London
- Park Street, London
- Finsbury Square Offices, London
- Generali Tower, Milan



- 1 Birmingham New Street Station
- 2 Olympic Park, London
- 3 Gardermoen Airport, Oslo
- 4 King's Cross Central, London
- 5 Heydar Aliyev Center, Baku
- 6 Highcross, Leicester
- 7 Serpentine Pavilion 2016, London
- 8 Henderson Waves Footbridge, Singapore

Culture / public space

- Serpentine Pavilion 2016, London
- Heydar Aliyev Center, Baku
- Turner Contemporary, Margate
- UK Pavilion, Expo 2010, Shanghai
- Eli & Eythe Broad Art Museum, East Lansing, MI
- Peckham Library, London

Education

- Peckham Library and Media Centre, London
- Phæno Science Center, Wolfsburg
- Waverley Secondary School, London
- Blizard Building, Queen Mary College, London
- Ben Pimlott Building, Goldsmiths College, London
- Bedales School, Hampshire
- Westminster School for Boys, London

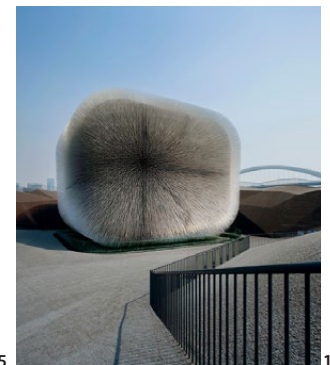
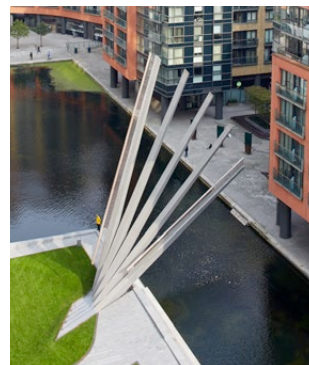
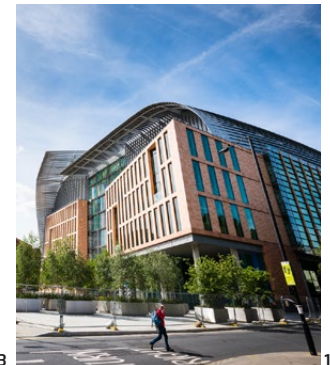
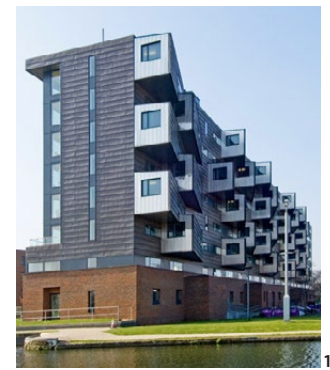
Retail

- Brindleyplace Café, Birmingham
- Duke of York Headquarters, London
- Highcross, Leicester
- Park House, London

Laboratories

- Blizard Building, Queen Mary College, London
- Burlington Danes Imaging Centre, Imperial College, London
- Laboratory for Molecular Biology, Cambridge
- The Francis Crick Institute, London

- 9 Jubilee Gardens, London
- 10 Westfield Student Village, London
- 11 Masdar Institute, Abu Dhabi
- 12 Adelaide Wharf, London
- 13 St Andrews, London
- 14 The Francis Crick Institute, London
- 15 Merchant Square Footbridge, London
- 16 UK Pavilion, Expo 2010, Shang



Selected writings

Hanif has written and published widely technical papers and opinion pieces on the subject of design and interdisciplinarity. Below is a snapshot of his work:

2013

- "Architecture and Waste, A (Re) Planned Obsolescence 2016" - Hanif Kara, Leira Asensio Villoria, Andreas Georgoulas
- "Design Engineering Refocused 2016" - Hanif Kara and Daniel Bosia

2013

- "Deliverance of Design - Making, mending and revitalising structures. The Works of AKT II 1996-2016" by AKT II
- "My Kind of Town - Istanbul" by Hanif Kara RIBA Journal, April 2013
- "Interdisciplinary Design: New Lessons from Architecture and Engineering." by Hanif Kara and Andreas Georgoulas, Harvard / Actar January 2013

2012

- "Conversation with Akishia Hirata & Hanif Kara: Tangling" - Architecture Foundation Exhibition Programme, September 2012
- "Conversation with Hanif Kara & Ciro Najle" - Plot June 2012.

2010

- "On Design Engineering" - Hanif Kara and Michael Kubo in Conversation, London 2009. Guest Editors: Rivka Oxman and Robert Oxman Editor: Caroline Ellerby.

Published in: The New Structuralism: Design, Engineering, and Architectural Technologies, AD Reader May 2010

- "Places of production: An engineer's perspective" - Hanif Kara. London 2009. Published in: Workplaces: The Transformation of Places of Production
- "Industrialization and the built environment in the Islamic World" - published December 2010, editor: Mohammad al-Asad
- "After - Fragmentation of Processes and Products: Fordist lessons for the built environment in the developing world" - Hanif Kara, London 2010. Published in Implicate & Explicate Aga Khan Awar for Architecture, Edited by Mohsen Mostafavi, November, 201

2009

- "Red Eye Rewards" - Hanif Kara, London 2009. Published in: RIBA Journal, June 2009
- "Expand your Mind" - Hanif Kara, London 2009. Published in: RIBA Journal, October 2009
- "Nine problems in the form of the pavilion" - Hanif Kara, London 2009. Edited by Yusuke Obuchi and Alan Dempsey, AA, London, published April 2010. Architectural Association London AA Agendas No. 8
- "Reductive Engineering Patterns - An Interview with Hanif Kara" - Hanif Kara and Mark Garcia, London 2009.

Published in: AD Architectural Design - Patterns of Architecture, Vol 79, No 6, November / December 2009, editor: Helen Castle

- "Applied Diagrams" - Hanif Kara, London 2009. Published in: Mark Garcia (editor), The Diagrams of Architecture, AD Reader, John Wiley & Sons, London 2010
- "BCO Guide to Specification - Design of offices" - Hanif Kara. Published September 2009

2008

- "Tools and Weapons ... Engineers take" - Hanif Kara. Published in: Emerging Possibilities of Testing and Simulation Methods and Techniques in Contemporary Construction Teaching EAAE Transactions on Architectural Education No 37 Editor Maria Voyatzaki, Greece 2008
- "Design Engineering" - Hanif Kara. Published in: Hanif Kara (editor), Design Engineering AKT, London 2008

2007

- "Architectural technology as a project" - Hanif Kara, June 2007. Prepared for Academy of Fine Arts Vienna, Institute for Art and Architecture
- "Design and Construction of the Phaeno Science Centre, Wolfsburg, Germany" - Hanif Kara and Paul Scott. Published in: The Structural Engineer Journal, July 2007



Long-term academic engagements

Harvard, Graduate School of Design, Cambridge, USA. 2008-present

Hanif is an Professor in Practice of Architectural Technology at the Harvard School of Design. Prior to this, from 2008 to 2012, he was the the Pierce Anderson Lecturer in Creative Engineering. As well as supporting various core studios, he has set up a seminar course 'In Search of Design Through Engineers' with Dr. Andreas Georgoulas. This is an interdisciplinary course with students of architecture, engineering, design, urban planning and computation from MIT and Harvard.

Harvard GSD Faculty Board for the Education Executive Division

Hanif is a Harvard GSD Faculty Board Member for the Education Executive Division.

Harvard GESU Advisory Group

Hanif is part of the Harvard Research Group who are producing the Gulf Encyclopedia for Sustainable Urbansism which is focused on Qatar, Bahrain, Iraq, Iran, Abu Dhabi, Dubai and Muscat.

KTH Royal Institute of Technology, Stockholm, Sweden. 2007-2012

From 2007 to 2012 Hanif was a Visiting Professor for Architectural Technology at KTH Stockholm. His role has included setting up a new syllabus for 1st to 5th year architects, developing a strategy for postgraduate research, recruitment of staff and, in 2010, a unit teaching "Architectures of Interdisciplinarity"

Umeå University, Umeå, Sweden. 2009-present

Hanif has assisted in developing a course in technology for students of architecture at Umeå University on yearly basis since 2009.

The Institute for Advanced Architecture of Catalonia (IAAC), Barcelona, Spain. 2007-present

Hanif is a Visiting Tutor and member of the scientific advisory panel at the IAAC Barcelona.

Architectural Association, London, UK. 2000-2008

Hanif has provided support to Diploma Units and the Design Research Lab from 2002 to 2008. He was an external examiner from 2003 to 2007. In addition he was co-tutor for Diploma Unit 14 from 2000 to 2004.

Iaac



Selected judging/industry advice

- **Architectural Association, London**
External examiner 2003–2007
 - **Aga Khan Awards for Architecture**
Master Jury member 2004
Project Reviewer 2007, 2010 & 2013
 - **Aga Khan Awards for Architecture**
Steering Committee member 2015
 - **Architecture Foundation, London**
Member of the Board of Trustees
2010 to present
 - **British Construction Industry Awards**
Judge 2010, 2011, 2012, 2013,
2015 & 2017
 - **British Council for Offices**
Member of the Technical Affairs
Committee 2008–present
 - **Building Awards**
Judge 2010, 2011, 2012 & 2013
 - **Building Magazine**
Member of the editorial board
2007–2009 & 2012–present
 - **CABE**
Commissioner 2008–2011
- (first structural engineer to be appointed at CABE)
- **Cloudscap.es Awards**
Judge 2010
 - **Design Council CABE**
Design Review Panel Member
2011–present
 - **Design for London Advisory Group**
Member 2007–2008
 - **Urban Design London**
Design Surgeon / Advisor 2010
 - **Royal Institute of British Architects**
RIBA President's Medal judge 2009
 - **Roses Design Awards**
Judge 2009
 - **RSA Design Directions**
Judge Resourceful Architect category
2010
 - **World Architecture Festival**
Judge 2008 & 2009
Super-judge 2010
 - **RIBA Stirling Prize**
Jury member 2011

Exhibitions

- **"Sensing Spaces"**
Royal Academy of Art, 25th January -
06 April 2014
- **Love & Money**
Taipei/Taiwan, 11th December 2007
Lecture, presentation and interview
for the Foreign and Commonwealth
Office and the British Council
- **"AKT II at Work"**
Architectural Association, London/UK
16th January 2009 Presentation
- **"The structural engineering of a metaphor"**
Harvard Graduate School of Design,
September 2010. Curator and
presentation



Aga Khan Award for Architecture



Symposiums

- **“Design Engineering”**, University of Toronto, Toronto, 12.11.13, Lecture
- **“From an agnostic to an empathetic approach to a design business”**, The Entrepreneurial Design Firm Seminar, New York, 15.10.13, Presentation
- **Where next for the BCO Guide to Specification?** BCO Conference, Madrid, 16.05.13, Presentation
- **“Engineering Attitudes”** IABSE Annual Lecture, IstructE London, 15.05.13, Lecture
- **“Materialness”** Nervi Principle Symposium, Berlin, 15.02.13, Lecture
- **“Intellidesgn” BCO Intellibuild Conference** London, 21.11.12, Presentation
- **“Our Future Cities” Global Summit on Creative Services**, British Business Embassy, London, 30.07.12, Lecture
- **American University of Beirut** Beirut/Lebanon, 14.05.12, Lecture
- **“Current Work”** American Architectural League NYC, /USA, 25.04.12, Lecture
- **Nabih Youssef Lecture** University of Southern California, LA, /USA, 11.04.12, Lecture
- **Digital Handwerk Symposium** ETH Zurich /Switzerland, 15.03.12, Lecture
- **Structural Systems in Architecture** Istanbul Kultur University /Turkey, 24.11.11, Lecture
- **Algode Symposium** Tokyo/ Japan, 14.11.11, Lecture
- **CSBE Award and Symposium 2011** Amman/Jordan, 11.10.2011. Presentation and member of awards jury
- **AA visiting School, Iran** Tehran/Iran, 24.06.2011. Presentation
- **Scientific Forum of the Mediterranean** Exhibition of Building Medibat, Tunis/Tunisia 07.06.11 Lecture
- **Fabricate 2011 Digital Fabrication Conference** London/UK, 15.04.2011. Contributor to publication and chair
- **University of Waterloo** Toronto/Canada, 22.03.11, Lecture
- **“(RE) searching Knowledge” GSAPP Columbia Uni Think Tank** NYC/USA, 28.02.2011 Presentation
- **Gordon H Smith Lecture** Yale University, New Haven/USA, 20.01.11, Lecture
- **World Habitat Day** Tunis/Tunisia, 04.10.2010. Lecture & presentation to Ministry of Habitat and University of Tunis
- **“Building Intelligence Project” GSAPP Columbia Uni Think Tank** London/UK, 30.06.2010. Presentation
- **“Intricate Correlations” Workshop** Innsbruck/Austria, 11.06.2010. Presentation
- **Manchester Architecture and Design Festival** Manchester/UK, 12.05.2010. Presentation
- **Smart Geometry Conference** Barcelona/Spain, 23.03.2010 Cambridge & London/UK, January 2006. Keynote & lectures
- **EKODesign Conference** Istanbul/Turkey, 24.11.2009. Presentation
- **“Digital Architecture London” Conference** UCL Bartlett School of Architecture, London/UK, 21.09.2009. Chair
- **Space Syntax Symposium**, Stockholm/Sweden, 07.09.2009. Lecture
- **Design.edu as Research.lab** Bauhaus Dessau/Germany 07.07.2009. Presentation
- **Architectural Technology** Engineering College of Aarhus/Denmark, 25.09.2009. Presentation
- **Aga Khan Seminar** Istanbul/Turkey, 13.01.2009. Presentation
- **AR Conference “Sustainable Cities”** London/UK, 29.03.2007. Presentation

Workshops

- **“plastic- OPACITY” - 2nd Concrete Design Competition and Masterclass** Bauhaus Dessau/Germany, 2006/2007
- **“Fibrous Structures”** Arkitera Architecture Centre Istanbul/Turkey & AA London, March 2007. Collaborator with organisers, ecoLogicStudio and Tuspa

