43RD INTERNATIONAL CONFERENCE ON IT IN CONSTRUCTION

CIB W78 2026

5–8 October 2026 · IIT Delhi, New Delhi

Delegate Guide

Programme, workshops, venues and practical information for the four days.

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Organised by IIT Delhi and the University of Strathclyde, Glasgow

cibw78-2026.com · cibw78@iitd.ac.in

WELCOME

Welcome to New Delhi

On behalf of IIT Delhi and the University of Strathclyde, Glasgow, welcome to the 43rd International CIB W78 Conference on IT in Construction — the first CIB W78 conference held in India. This guide covers the programme, workshops, venues and practical details. Every paper is listed by title under its session, in presentation order, in the separate **Programme** PDF sent with this guide.

Essentials

Dates	**Monday 5 – Thursday 8 October 2026.** Day 0 (Mon) is pre-registration and a pre-conference workshop; the conference runs Days 1–3 (Tue–Thu).
Place	Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016
Pre-registration	**Mon 5 Oct, 16:00–16:30 · LH-308, Lecture Hall Complex.** Collect your badge and conference kit and skip Tuesday's queue.
Registration	**Tue 6 Oct, 08:00–09:00 · Seminar Hall**, with tea and coffee. The Inaugural Session starts at 09:00.
Campus entry	Enter by **Gate 1 (Main Gate)**. Delegates' names are with campus security, and a conference coordinator will be at the gate.
Your badge	Wear it on campus at all times. It admits you to sessions, meals and the evening events.

Venues

Seminar Hall	Keynotes, all paper sessions, the Industry Panel, ceremonies and the Cultural Evening · Days 1–3
LH-308	Lecture Hall Complex · Day 0 pre-registration and the Autodesk Forma workshop
Committee Room	Civil Engineering Department · Workshops 1, 3, 4 and 5
CSDL Lab	IIT Delhi · Workshop 2, laboratory visit · Day 1
India Habitat Centre	Lodhi Road, about 8 km from campus · Gala Dinner · Day 2

Participants' WhatsApp group

Join the group · Room or timing changes are posted here first. Joining is optional. Your number is visible to other members.

Contact us

Help desk at the Seminar Hall entrance, Days 1–3
During the conference: the WhatsApp group
Email cibw78@iitd.ac.in
Web cibw78-2026.com

43RD INTERNATIONAL CONFERENCE ON IT IN CONSTRUCTION

CIB W78 2026 · Programme at a Glance

Day 0

Monday, 5 October
LH-308, Lecture Hall Complex

16:00–16:30
Pre-Registration

16:30–18:00
PRE-CONFERENCE WORKSHOP
Autodesk Forma Ecosystem Workshop

18:00–18:15 HI-TEA

18:15–19:30
PRE-CONFERENCE WORKSHOP
Autodesk Forma Ecosystem Workshop (continued)

Curated Workshops

Committee Room, Civil Engg Dept, unless noted

WORKSHOP 1 · DAY 1 · 14:30–16:45
AI-Driven Transformation in the Construction Industry
Col. (Dr) Pawan Pandey, IIT Delhi

WORKSHOP 2 · DAY 1 · 14:30–16:45
Sustainable Construction Materials and Technologies: Laboratory Visit and Technical Discussion
CSDL Lab · Dr Supratic Gupta, IIT Delhi

WORKSHOP 3 · DAY 2 · 11:10–12:45
Detecting Collusion in Traditional Contracts through Digital Technologies
Dr S. Z. S. Tabish, IIT Delhi

WORKSHOP 4 · DAY 2 · 13:45–17:05
Smart and Sustainable Construction: A Game-Based Simulation Workshop
Dr Ann Francis, IIT Delhi

WORKSHOP 5 · DAY 3 · 14:05–15:25
Application of Computer Vision for Railway Infrastructure Management
Dr Sahil Garg, IIT Delhi

Day 1

Tuesday, 6 October
Seminar Hall · parallel workshops in Committee Room and CSDL Lab

08:00–09:00 REGISTRATION & TEA

09:00–09:30
Opening & Inaugural Session

09:30–10:10
KEYNOTE 1
Prof. Ghang Lee

10:10–11:20
Energy Modelling & Monitoring / Blockchain & DLT
Chair: Prof. Ann Francis

11:20–11:50 MORNING TEA

11:50–12:50
Industry Panel Discussion

12:50–13:30
Data Sensing, Acquisition & Analysis 1
Chair: Prof. Robert Amor

13:30–14:30 LUNCH

SEMINAR HALL
14:30–15:25
Education, Policy & Standardization
Chair: Prof. Jakob Beetz

SEMINAR HALL
15:25–16:45
Product & Process Modelling 1
Chair: Prof. Bimal Kumar

PARALLEL · COMMITTEE ROOM
14:30–16:45
Workshop 1

PARALLEL · CSDL LAB
14:30–16:45
Workshop 2

16:45–17:15 HI-TEA

18:30–20:30
SEMINAR HALL
Cultural Evening, then Supper

Paper session · Seminar Hall · Keynote / ceremony / panel · Parallel workshop · Break · Evening event

5–8 October 2026

IIT Delhi, Hauz Khas, New Delhi

Day 2

Wednesday, 7 October

Seminar Hall · parallel workshops in Committee Room, Civil Engg Dept

09:00–09:15
Day Two Welcome

09:15–10:50
Data Integration Methods & Digital Twins 1
Chair: Col. (Dr) Pawan Pandey

10:50–11:10 MORNING TEA

SEMINAR HALL
11:10–12:45
Data Integration Methods & Digital Twins 2
Chair: Dr Peter Nørkjær Gade

PARALLEL · COMMITTEE ROOM
11:10–12:45
Workshop 3

12:45–13:45 LUNCH

SEMINAR HALL
13:45–14:55
Data Sensing, Acquisition & Analysis 2
Chair: Prof. Robert Amor

SEMINAR HALL
14:55–16:15
Data Integration Methods & Digital Twins 3
Chair: Prof. Sahil Garg

PARALLEL · COMMITTEE ROOM
13:45–16:15
Workshop 4

16:15–16:35 HI-TEA

SEMINAR HALL
16:35–17:55
Smart Manufacturing & Robotic Construction / Product & Process Modelling 2
Chair: Prof. Jakob Beetz

PARALLEL · COMMITTEE ROOM
16:35–17:05
Workshop 4 (contd.)

19:30–23:30
INDIA HABITAT CENTRE
Gala Dinner

Day 3

Thursday, 8 October

Seminar Hall · parallel workshop in Committee Room, Civil Engg Dept

09:00–09:10
Day Three Welcome

09:10–09:50
KEYNOTE 2
Prof. Benny Raphael

09:50–11:00
Artificial Intelligence 1
Chair: Prof. Robert Amor

11:00–11:30 MORNING TEA

11:30–13:05
Artificial Intelligence 2
Chair: Dr Alejandro Moreno-Rangel

13:05–14:05 LUNCH

SEMINAR HALL
14:05–15:15
Artificial Intelligence 3
Chair: Prof. K. N. Jha

SEMINAR HALL
15:15–16:35
Human–Data Interaction / Virtual & Augmented Reality
Chair: Prof. Jenn McArthur

PARALLEL · COMMITTEE ROOM
14:05–15:25
Workshop 5

16:35–17:05 HI-TEA

17:05–17:45
Valedictory, Best Paper Awards & Closing

WHO AND WHAT

Keynotes and the Industry Panel



KEYNOTE 1 · DAY 1 · TUE 6 OCT · 09:30–10:10 · SEMINAR HALL

Theory and Large-Scale Validation of BIM Checkability

Prof. Ghang Lee · Yonsei University, Seoul, South Korea



KEYNOTE 2 · DAY 3 · THU 8 OCT · 09:10–09:50 · SEMINAR HALL

Computer Vision and Shape Optimization for Concrete 3D Printing

Prof. Benny Raphael · IIT Madras, India

INDUSTRY PANEL DISCUSSION · DAY 1 · TUE 6 OCT · 11:50–12:50 · SEMINAR HALL

We're Collecting the Data. Are We Making Better Decisions?

Construction and infrastructure now generate more data than ever — BIM models, site sensors, drone surveys, digital twins, schedules and cost systems. The panel asks whether that data is changing decisions on projects and assets: where it has improved outcomes, where it sits unused, and what stands in the way — data quality and ownership, skills, procurement and organisational incentives.

Perspectives on the panel · a public infrastructure owner and operator (metro rail) · a central government construction agency · a management and risk advisory firm · with practitioners from contracting, technology and engineering consultancy.

IF YOU ARE PRESENTING

Your session

- **Find your paper** in the Programme PDF. Papers are listed by title under each session, in presentation order.
- **Your time:** a 10-minute presentation, then 5 minutes of questions. The session chair keeps time.
- **Hand over your slides 15 minutes before your session starts** to the sessions manager, who sits at a fixed desk in the Seminar Hall throughout the conference. Bring them on a USB drive, with a PDF copy as a backup.
- **Slides:** PowerPoint (.pptx) or PDF, with any video embedded and tested.
- **Introduce yourself to the session chair** before the session begins.
- **Best Paper Awards** are announced at the Valedictory Ceremony, Day 3, 17:05.

Six workshops · register ahead

All six workshops are free. Please register by Sunday 4 October — scan a workshop's code or type its link. Workshops are open to registered delegates, IIT Delhi students and local participants. Workshops 1–5 run alongside paper sessions, so pick one per time slot (1 and 2 are at the same time).

PRE-CONFERENCE WORKSHOP

DAY 0 · MON 5 OCT · 16:30–19:30

Autodesk Forma Ecosystem Workshop

Autodesk and the CIB W78 local team · LH-308, Lecture Hall Complex

Three hours on the Autodesk Forma ecosystem: Forma for construction, Forma AI for site analysis and sustainability assessment, and hands-on Forma Site Design — massing, context analysis and site layout. Hi-Tea 18:00–18:15.

Bring · A laptop. **An Autodesk account is required** — please create one before the workshop.

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WORKSHOP 1

DAY 1 · TUE 6 OCT · 14:30–16:45

AI-Driven Transformation in the Construction Industry

Col. (Dr) Pawan Pandey, IIT Delhi · Committee Room, Civil Engineering Dept

Hands-on use of large language models, AI research tools, analytics and graph technology to turn fragmented project data into decisions. Teams work on one building-project case with AI tools, Google Colab, Power BI and a Neo4j demonstration. No programming needed; datasets, prompts and notebooks are provided.

Bring · A Windows 11 laptop with 32 GB RAM, Intel Core i7 (i9 preferred) and NVIDIA RTX 4060 GPU; access to ChatGPT Plus and Perplexity Pro; Power BI installed.

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WORKSHOP 2 · LABORATORY VISIT

DAY 1 · TUE 6 OCT · 14:30–16:45

Sustainable Construction Materials and Technologies: Laboratory Visit and Technical Discussion

Dr Supratic Gupta, IIT Delhi · CSDL Lab, IIT Delhi

Sustainable concrete and durability: fly ash, GGBS, microsilica and stone-waste powders, efficiency-factor-based mix design, and concrete under extreme exposure. The lab visit shows conventional and IIT Delhi-developed set-ups for permeability, chloride resistance (RCPT), carbonation, corrosion, shrinkage and high temperatures.

Bring · Closed footwear. Follow the safety instructions given in the lab.

Note · Route marshals lead the group from the Seminar Hall to the lab; please be on time, as the group enters together.

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Workshops, continued

WORKSHOP 3

DAY 2 · WED 7 OCT · 11:10–12:45

Detecting Collusion in Traditional Contracts through Digital Technologies

Dr S. Z. S. Tabish, IIT Delhi · Committee Room, Civil Engineering Dept

Collusion among clients, consultants, contractors, tenderers and suppliers undermines competitive tendering and inflates public costs. This workshop introduces a structured method to identify and assess potential collusion in traditional contracts from tender data and physical indicators, and to recognise red flags. For procurement authorities, technical auditors, engineers, vigilance agencies and consultants.

Bring · Nothing.

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WORKSHOP 4

DAY 2 · WED 7 OCT · 13:45–17:05

Smart and Sustainable Construction: A Game-Based Simulation Workshop

Dr Ann Francis, IIT Delhi · Committee Room, Civil Engineering Dept

A simulation game on sustainability and smart construction. Participants make construction decisions and see their environmental, economic, technological and operational outcomes. It covers life-cycle thinking, material selection, circularity and digital technologies, and introduces a sustainability-based decision-making framework for construction.

Bring · Nothing. Materials are provided.

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WORKSHOP 5

DAY 3 · THU 8 OCT · 14:05–15:25

Application of Computer Vision for Railway Infrastructure Management

Dr Sahil Garg, IIT Delhi · Committee Room, Civil Engineering Dept

UAV imaging and computer vision for assessing railway sleeper spacing: capturing track sections by drone, image preprocessing, sleeper detection, measuring the spacing between sleepers and interpreting the results — with worked examples and demonstrations. For students, researchers, faculty and professionals.

Bring · A laptop and charger, if available. Basic knowledge of UAVs, image processing or computer vision helps but is not required.

forms.gle/vscjnYbncngczva9

Forms not opening? Email **cibw78@iitd.ac.in** with your name, institution and the workshop you want.

BEYOND THE SESSIONS

Evenings

Cultural Evening

DAY 1 · TUE 6 OCT · 18:30–20:30 · SEMINAR HALL

An evening of Hindustani classical music and dance by two of India's most celebrated performers, presented in association with **SPIC MACAY** — the Society for the Promotion of Indian Classical Music and Culture Amongst Youth, founded at IIT Delhi in 1977. Supper follows from 20:30.



SITAR

Pandit Shubhendra Rao

One of India’s foremost sitar players and a disciple of Pandit Ravi Shankar, trained in the traditional guru–shishya way. He has performed at Carnegie Hall, the Kennedy Center and the Sydney Opera House, and through the Shubhendra & Saskia Rao Foundation brings music education to children in Delhi.



KATHAK

Pandit Rajendra Gangani

A leading exponent of the Jaipur gharana of Kathak, the classical dance of north India that tells stories through rhythmic footwork, spins and expression. Son and disciple of Pandit Kundanlal Gangani, he is known for his technical brilliance and inventive choreography, and received the Sangeet Natak Akademi Award in 2003.

Gala Dinner

DAY 2 · WED 7 OCT · 19:30–23:30

At the India Habitat Centre, Lodhi Road — one of Delhi’s best-known cultural venues, about 8 km from campus.

Transport	Provided from campus and back.
Pick-up	Main Building entrance. Please be there by **18:30**.
Bring	Your conference badge.

GETTING HERE

Getting here and around



IIT Delhi campus. The Seminar Hall is on the ground floor of the Main Building; route marshals will guide you between venues.

Campus entry	IIT Delhi, Hauz Khas, New Delhi 110016. Enter by **Gate 1 (Main Gate)** on Outer Ring Road. Delegates' names are with campus security, and a conference coordinator will be at the gate.
By metro	**IIT** station on the Magenta Line is beside Gate 1. Use station exit Gate 3, signed for IIT Delhi.
From the airport	About 15 km. **Terminal 3** (most international flights): prepaid or app-based taxi, 35–50 minutes. **Terminal 1**: Magenta Line direct to IIT, five stops.
From New Delhi station	Yellow Line to Hauz Khas, change to the Magenta Line, one stop to IIT. About 35 minutes.
On campus	Battery-operated rickshaws run across campus. Route marshals will guide you from the Seminar Hall to the Committee Room and the CSDL Lab.

GOOD TO KNOW

Practical information

Help desk	At the Seminar Hall entrance, Days 1–3.
Meals	Tea and coffee at registration (Day 1); morning tea, lunch and Hi-Tea on Days 1–3; Hi-Tea on Day 0; supper after the Cultural Evening; dinner at the Gala.
Dietary needs	Menus are planned with most dietary requirements in mind. If something does not suit you, ask a **food marshal**; separate arrangements, including freshly cut fruit, will be made.
Coffee and food	A Café Coffee Day (CCD) outlet is just across from the Seminar Hall. Naivedyam restaurant and the IIT market are on campus, with good cafés about 100 m outside Gate 2.
Wi-Fi	Available across campus. Collect your login at the registration desk or the help desk.
Your badge and ID	Wear your badge on campus at all times; it admits you to sessions, meals and the evening events. Carry photo ID — international delegates, your passport or a copy.
Medical help	IIT Delhi has a campus hospital. Ask the nearest volunteer for help. Emergency (all services): **112**.
Certificates	Certificates are handed out at the Valedictory Ceremony, Day 3, 17:05.
Weather	Warm and dry in early October: about 33 °C by day, low 20s at night. Light clothing, sunscreen, insect repellent, and a layer for air-conditioned rooms.
Photographs	Sessions and events will be photographed for the conference record and website. Tell the help desk if you prefer not to appear.

WEBSITE

WHATSAPP

Stay in touch

The participants' WhatsApp group is the fastest way to reach us during the conference, or visit the help desk at the Seminar Hall entrance.
cibw78-2026.com · cibw78@iitd.ac.in

WELCOME TO INDIA

First time in India?

A few things that make the first days easier.

Time	India Standard Time, UTC+5:30, all year (no daylight saving).
Money	Indian rupee (INR). Exchange a little at the airport; an SBI branch is on campus, near the Lecture Hall Complex. Cards work in hotels, larger shops and restaurants. Carry small notes for auto-rickshaws and stalls. QR payments (UPI) are everywhere but usually need an Indian bank account.
Phone	SIM cards are sold at the airport on showing your passport and visa; activation can take a few hours. International roaming and eSIMs also work.
Getting around	App cabs (Uber, Ola) and the metro are the easiest options. At the airport, use the official prepaid-taxi counters or the app pick-up zones and decline unsolicited offers. For auto-rickshaws, book through an app or agree the fare first. Traffic drives on the left; cross roads with care.
Power	230 V, 50 Hz. Sockets take Type C, D and M plugs; bring an adapter.
Food and water	Drink bottled or filtered water. Indian food can be spicy — ask for “less spicy” if you prefer. If your stomach is sensitive, go easy on street food for the first days.
Customs	“Namaste”, with palms together, is the traditional greeting; handshakes are usual in professional settings. At temples, gurdwaras and mosques, dress modestly (shoulders and knees covered) and remove your shoes; cover your head at gurdwaras.
Tipping	Not compulsory. 5–10% in restaurants if no service charge is added; round up for drivers.
Metro	Clean, safe and air-conditioned. Buy a QR ticket or travel card at any station, and keep it to exit. The first coach of each train is reserved for women.
If you need help	Emergency (all services): **112**. Tourist helpline, 24×7 in 12 languages: **1363** or 1800-11-1363. Or ask any conference volunteer.

EXPLORE

Places to visit

Distances are approximate, by road from IIT Delhi. Ticketed (ASI) monuments open sunrise to sunset; several sites close on Mondays.

NEAR CAMPUS

Hauz Khas Fort and Deer Park — ABOUT 2 KM

A 13th-century reservoir of Alauddin Khalji with the tomb and madrasa of Firoz Shah Tughlaq; beside it, the Deer Park and the cafés of Hauz Khas Village.

Free · ideal at sunset

Qutub Minar — ABOUT 6 KM

UNESCO World Heritage Site: the 73 m minaret begun around 1199, the Quwwat-ul-Islam mosque and the Iron Pillar. Metro: Qutab Minar.

Ticketed (ASI)

Mehrauli Archaeological Park — ABOUT 6 KM

More than a hundred monuments across a thousand years, including Jamali Kamali and the Rajon ki Baoli stepwell. Best on foot in the morning.

Free

Safdarjung's Tomb — ABOUT 6 KM

Built in 1754 for the Mughal prime minister Safdarjung — one of the last great Mughal garden tombs. Metro: Jor Bagh.

Ticketed (ASI)

Lodhi Garden — ABOUT 8 KM

A 90-acre park around 15th- and 16th-century Sayyid and Lodi tombs, a short walk from the India Habitat Centre.

Free

IN THE CITY

Humayun's Tomb — ABOUT 11 KM

UNESCO World Heritage Site: the 16th-century garden tomb of the emperor Humayun, the inspiration behind the Taj Mahal. Sunder Nursery is next door.

Ticketed (ASI)

India Gate and Kartavya Path — ABOUT 12 KM

The war memorial arch on the Central Vista's ceremonial avenue, with the National War Memorial beside it. Best when lit in the evening.

Free

Pradhanmantri Sangrahalaya — ABOUT 10 KM

The museum of India's prime ministers at Teen Murti, opened in 2022, tracing the country's story since Independence.

Ticketed · closed Mondays

Red Fort — ABOUT 18 KM

UNESCO World Heritage Site: Shah Jahan's 17th-century palace-fortress in Old Delhi. Pair it with Chandni Chowk. Metro: Lal Quila.

Ticketed (ASI) · closed Mondays

Lotus Temple — ABOUT 10 KM

The Bahá'í House of Worship, completed in 1986: 27 marble "petals" in a lotus form, open to all.

Free · closed Mondays

SOUVENIRS **Dilli Haat, INA** (about 6 km) — crafts and regional food from every state of India. Small entry fee. Metro: INA.

We look forward to welcoming you to New Delhi.