

CONSTRUCTION AND TECHNOLOGY

CONSTRUCTION HISTORY-INTERNATIONAL JOURNAL OF THE CONSTRUCTION HISTORY SOCIETY

ISSN / eISSN 0267-7768

Publisher CONSTRUCTION HISTORY SOC, C/O DEPT ARCHITECTURE, CAMBRIDGE UNIV, 1-5 SCROOPE TERRACE, CAMBRIDGE, ENGLAND, CB1 1PX

2 issues/year, English

Construction History covers all aspects of the history of building and civil engineering history embracing both technical and socio-economic aspects of subject. Among technical aspects covered are:

- construction materials and components, urban infrastructure, bridges
- building systems including structure, heating ventilation, air-conditioning, the building envelope
- design methods, tools, techniques and codes, analytical techniques and tools
- prefabrication, construction processes and plant, temporary works.

Socio-economic subjects include:

- economics, funding and management of construction projects, quantity surveying, costs and wages
- biographies, construction organisations and firms, the construction professions, education and training
- skills, trades and labour in construction, labour relations, organisation of work and labour
- historiography, historical sources, archives, museums of construction.

<https://www.constructionhistory.co.uk/publications/construction-history-journal/>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=CONSTR%20HIST&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

COMPUTER-AIDED CIVIL AND INFRASTRUCTURE ENGINEERING

ISSN / eISSN 1093-9687 / 1467-8667

Publisher WILEY, 111 RIVER ST, HOBOKEN, USA, NJ, 07030-5774

15 issues/year, English

The scope of the journal includes bridge, construction, environmental, highway, geotechnical, structural, transportation, and water resources engineering, and management of infrastructure systems such as highways, bridges, pavements, airports, and utilities. Areas covered by the journal include artificial intelligence, cognitive modeling, concurrent engineering, database management, distributed computing, evolutionary computing, fuzzy logic, genetic algorithms, geometric modeling, internet-based technologies, knowledge discovery and engineering, machine learning, mobile computing, multimedia technologies, networking, neural network computing, optimization and search, parallel processing, robotics, smart structures, software engineering, virtual reality, and visualization techniques.

<https://onlinelibrary.wiley.com/journal/14678667?journalRedirectCheck=true>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=COMPUT-AIDED%20CIV%20INF&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

DEVELOPMENTS IN THE BUILT ENVIRONMENT

ISSN / eISSN 2666-1659

Publisher ELSEVIER, RADARWEG 29, AMSTERDAM, Netherlands, 1043 NX

4 issues/year, English

Developments in the Built Environment covers the following topics (but are not limited to):

- Innovative building materials;
- Building performance;
- Maintenance and repair work assessment;
- Smart Design;
- (Up/re)cyclability, transformability, reusability of materials and components;
- Structural Health Monitoring;
- Construction engineering management, materials and technology;
- Building Information Modelling (BIM);
- Computer aided-design and simulation;
- Energy efficiency, energy harvesting;
- Indoor environment;
- Life cycle assessment;
- Structural analysis, assessment, design, and testing;
- Sustainable buildings and construction;
- System safety and reliability.

<https://www.sciencedirect.com/journal/developments-in-the-built-environment>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=DEV%20BUILT%20ENVIRON&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

BUILDING AND ENVIRONMENT

ISSN / eISSN 0360-1323 / 1873-684X

Publisher PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD, ENGLAND, OX5 1GB

12 issues/year, English

Building and Environment is international journal that publishes original research papers, comprehensive review articles, editorials, and short communications related to building science, urban physics, and human interaction with the indoor and outdoor built environment. The Journal is focused on innovative, cutting edge technologies and knowledge, rigorously verified with measurement and analysis. The Journal publishes articles related to the environmental performance of the built environment in a wide range of spatial scales, ranging from cities, communities, buildings, to building systems and assemblies as well as other built environments such as those related to transportation and industrial settings. We encourage submission of collaborative, multi-disciplinary research results with broader significance.

<https://www.sciencedirect.com/journal/building-and-environment>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=BUILD%20ENVIRON&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

ENERGY AND BUILDINGS

ISSN / eISSN 0378-7788 / 1872-6178

Publisher ELSEVIER SCIENCE SA, PO BOX 564, LAUSANNE, SWITZERLAND, 1001

24 issues/year, English

Energy and Buildings is an international journal publishing articles with explicit links to energy use in buildings. The aim is to present new research results, and new proven practice aimed at reducing the energy needs of a building and improving indoor environment quality. Energy and Buildings considers and publishes articles considerably advancing Building Science. Preference is given to practical and experimental research articles reporting considerable innovations. Articles reporting advances in theoretical and simulation methods are welcome once results are fully validated using appropriate experimental data, and so are the articles reporting application of numerical or theoretical methods for the analysis of new technology and materials and innovative designs.

<https://www.sciencedirect.com/journal/energy-and-buildings>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ENERG%20BUILDINGS&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

JOURNAL OF BUILDING ENGINEERING

ISSN / eISSN 2352-7102

Publisher ELSEVIER, RADARWEG 29, AMSTERDAM, Netherlands, 1043 NX

12 issues/year, English

The *Journal of Building Engineering* (JOBE) is an interdisciplinary journal that covers all aspects of science and technology concerned with the whole life cycle of the built environment; from the design phase through to construction, operation, performance, maintenance and its deterioration. JOBE only publishes papers where significant scientific novelty is clearly demonstrated.

<https://www.sciencedirect.com/journal/journal-of-building-engineering>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=J%20BUILD%20ENG&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

INDOOR AIR

ISSN / eISSN 0905-6947 / 1600-0668

Publisher WILEY-HINDAWI, ADAM HOUSE, 3RD FL, 1 FITZROY SQ, LONDON, ENGLAND, WIT 5HE

1 issue/year, English

Indoor Air provides a forum for reporting research results in the broad area defined by the indoor environment of non-industrial buildings. An international journal with multidisciplinary content, *Indoor Air* publishes original research and review articles reflecting the broad categories of interest in this field:

- health effects
- thermal comfort
- monitoring and modelling
- source characterization
- ventilation and other environmental control techniques.

<https://www.hindawi.com/journals/ina/>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=INDOOR%20AIR&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

BUILDING SIMULATION

ISSN / eISSN 1996-3599 / 1996-8744

Publisher TSINGHUA UNIV PRESS, B605D, XUE YAN BUILDING, BEIJING, PEOPLES R CHINA, 100084

12 issues/year, English

- Building Thermal, Lighting, and Acoustics Modeling: building physics; building acoustics; daylighting and lighting; innovative high-performance building materials; climate change.
- Building Systems and Components: intelligent building operation; energy storage and utilization; heating, ventilation and air conditioning (HVAC); solar energy utilization in buildings; building integrated renewable energy.
- Indoor/Outdoor Airflow and Air Quality: CFD and airflow; indoor environmental quality (IEQ); microclimate; healthy buildings.
- Architecture and Human Behavior: human behavior and comfort; zero energy buildings (ZEB); simulation at urban/district scale; demand flexibility and resilience.
- Advances in Modeling and Simulation Tools: big data and machine learning; validation, calibration and uncertainty; new software development; innovative simulation application; buildings-to-grid integration simulation and controls.

<https://www.springer.com/journal/12273>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=BUILD%20SIMUL-CHINA&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

BUILDING RESEARCH AND INFORMATION

ISSN / eISSN 0961-3218 / 1466-4321

Publisher ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD, 2-4 PARK SQUARE, MILTON PARK, ABINGDON, ENGLAND, OXON, OX14 4RN

8 issues/year, English

Building Research and Information (BRI) focuses on the entire life cycle of buildings, from inception to designing, engineering and making, through the building in use phase, to disassembly and recovery. Unique to *BRI* is a holistic and interdisciplinary approach to a sustainable built environment, centered on the building and its context. We welcome original research, information papers, book reviews and evidence-based commentaries that acknowledge the complex and inter-related nature of our built environment, while focusing on the *building*. The journal scope includes *research* on a wide range of topics relating to buildings, embracing the what, why, how and when questions. Central to an integrated and sustainable built environment is building *information*, its generation, transmission, use, storage, access and management.

<https://www.tandfonline.com/journals/rbri20>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=BUILD%20RES%20INF&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

BUILDINGS

ISSN / eISSN 2075-5309

Publisher MDPI, ST ALBAN-ANLAGE 66, BASEL, SWITZERLAND, CH-4052

12 issues/year, English

Scope

Main research areas include but are not limited to:

- architecture
- architectural/building engineering
- design
- building construction
- construction management
- building materials
- energy and buildings
- building operations
- building physics
- building structures
- building mechanical systems
- building lighting systems
- green buildings
- building/facility management
- the philosophy, art and science of architecture designing
- the linkages and interactions between the built environment and ecology, natural resources, climate, local communities, public policy, and economic development

<https://www.mdpi.com/journal/buildings>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=BUILDINGS-BASEL&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

INDOOR AND BUILT ENVIRONMENT

ISSN / eISSN 1420-326X / 1423-0070

Publisher SAGE PUBLICATIONS LTD, 1 OLIVERS YARD, 55 CITY ROAD, LONDON, ENGLAND, EC1Y 1SP

6 issues/year. English

Indoor and Built Environment publishes reports on any topic pertaining to the quality of the indoor and built environment, and how these might effect the health, performance, efficiency and comfort of persons living or working there. Topics range from urban infrastructure, design of buildings, and materials used to laboratory studies including building airflow simulations and health effects.

<https://journals.sagepub.com/home/ibe>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=INDOOR%20BUILT%20ENVIRONMENT&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

ARCHITECTURAL ENGINEERING AND DESIGN MANAGEMENT

ISSN / eISSN 1745-2007 / 1752-7589

Publisher TAYLOR & FRANCIS LTD, 2-4 PARK SQUARE, MILTON PARK, ABINGDON, England, OXON, OX14 4RN

6 issues/year, English

Architectural Engineering and Design Management examines specific topics, including:

- Integrated design
- Design management
- Post occupancy and facilities management
- Lean design and construction
- Building Information Modelling
- Sustainability and resilience of the built environment

<https://www.tandfonline.com/journals/taem20>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ARCHIT%20ENG%20DES%20MANAG&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

ADVANCES IN STRUCTURAL ENGINEERING

ISSN / eISSN 1369-4332 / 2048-4011

Publisher SAGE PUBLICATIONS INC, 2455 TELLER RD, THOUSAND OAKS, USA, CA, 91320

16 issues/year, English

Advances in Structural Engineering is a peer-reviewed journal that aims to provide a major publication channel for cutting-edge research on civil engineering structures (e.g. bridges, buildings and offshore platforms) in areas of significant current interest to the international structural engineering community. The current focus areas of the journal, which are periodically reviewed by the editors, are as follows:

- (a) Structural use of composite and other emerging materials;
- (b) Behavior of structural systems;
- (c) Structures under extreme conditions (e.g. earthquakes, strong winds, fires and blasts etc.);
- (d) Performance-based structural engineering;
- (e) Life-cycle structural engineering;
- (f) Structural health monitoring for performance assessment; and
- (g) Sustainability in structural engineering.

<https://journals.sagepub.com/home/ase>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ADV%20STRUCT%20ENG&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

LIGHTING RESEARCH & TECHNOLOGY

ISSN / eISSN 1477-1535 / 1477-0938

Publisher SAGE PUBLICATIONS LTD, 1 OLIVERS YARD, 55 CITY ROAD, LONDON, ENGLAND, EC1Y 1SP

8 issues/year, English

Lighting Research & Technology is the leading international peer reviewed journal that publishes the highest quality original research on the subject of light and lighting and is published in association with The Society of Light and Lighting, which is part of the Chartered Institution of Building Services Engineers. *Lighting Research & Technology* publishes papers by authors from around the world on all aspects of the subject of light and lighting. These range from the human response to light to all aspects of the science of light generation, light control and measurement. It also covers all aspects of lighting design including equipment for both interior and exterior environments, as well as daylighting, energy efficiency and sustainability.

<https://journals.sagepub.com/home/lrt>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=LIGHTING%20RES%20TECHNOL&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

JOURNAL OF BUILDING PERFORMANCE SIMULATION

ISSN / eISSN 1940-1493 / 1940-1507

Publisher TAYLOR & FRANCIS LTD, 2-4 PARK SQUARE, MILTON PARK, ABINGDON, England, OXON, OX14 4RN

4 issues/year, English

- Theoretical aspects related to modelling and simulating the physical processes (thermal, air flow, moisture, lighting, acoustics).
- Theoretical aspects related to modelling and simulating conventional and innovative energy conversion, storage, distribution, and control systems.
- Theoretical aspects related to occupants, weather data, and other boundary conditions.
- Methods and algorithms for optimizing the performance of buildings and communities and the systems which service them, including interaction with the electrical grid.
- Uncertainty, sensitivity analysis, and calibration.
- Methods and algorithms for validating models and for verifying solution methods and tools.
- Development and validation of controls-oriented models that are appropriate for model predictive control and/or automated fault detection and diagnostics.
- Techniques for educating and training tool users.
- Software development techniques and interoperability issues with direct applicability to building performance simulation.
- Case studies involving the application of building performance simulation for any stage of the design, construction, commissioning, operation, or management of buildings and the systems which service them are welcomed if they include validation or aspects that make a novel contribution to the building performance simulation knowledge base.

<https://www.tandfonline.com/journals/tbps20>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=J%20BUILD%20PERFORM%20SIMU&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT

ISSN / eISSN 2374-4731 / 2374-474X

Publisher TAYLOR & FRANCIS INC, 530 WALNUT STREET, STE 850, PHILADELPHIA, USA, PA, 19106

8 issues/year, English

- Indoor environmental quality, occupant health, comfort, and productivity
- Heating, ventilation, air conditioning, and refrigeration (HVAC&R) and related technologies
- Thermodynamic and energy system dynamics, controls, optimization, fault detection and diagnosis, smart systems, and building demand-side management
- Experiments and analysis related to material properties, underlying thermodynamics, refrigerants, fluid dynamics, airflow, and heat and mass transfer
- Renewable and traditional energy systems and related processes and concepts
- Integrated built environmental system design approaches and tools
- Novel simulation approaches and algorithms and validated simulations
- Building enclosure materials, assemblies, and systems for minimizing and/or regulating space heating and cooling modes
- Review articles that critically assess existing literature and point out future research directions

<https://www.tandfonline.com/journals/uhvc20>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=SCI%20TECHNOL%20BUILT%20EN&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

BUILDING SERVICES ENGINEERING RESEARCH & TECHNOLOGY

ISSN / eISSN 0143-6244 / 1477-0849

Publisher SAGE PUBLICATIONS LTD, 1 OLIVERS YARD, 55 CITY ROAD, LONDON, ENGLAND, EC1Y 1SP

6 issues/year, English

BSER&T covers the full range of energy and environmental services in buildings, including:

- Heating
- Ventilation
- Air conditioning
- Refrigeration
- Building electrical services
- Building acoustics
- Water supply and sanitation
- Distribution and supply of air and water
- Vertical transport

- Buildings integrated renewables
- Ground source energy
- Building systems related health, comfort and wellbeing
- Sustainable building systems
- Urban heat island

<https://journals.sagepub.com/home/bse>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=BUILD%20SERV%20ENG%20RES%20T&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

INTERNATIONAL JOURNAL OF VENTILATION

ISSN / eISSN 1473-3315 / 2044-4044

Publisher TAYLOR & FRANCIS LTD, 2-4 PARK SQUARE, MILTON PARK, ABINGDON, England, OXON, OX14 4RN

4 issues/year, English

- New concepts, theories and approaches concerned with the development or application of ventilation
- Validated case studies demonstrating the performance of ventilation strategies, systems or devices
- Modeling and developments in numerical methods
- Measurement and monitoring techniques and procedures
- Environmental and occupant sensors for ventilation system controls
- Air infiltration and ventilation
- Personal ventilation
- Demand-based ventilation
- Energy recovery ventilation
- Air filtration or purification to supplement ventilation for pollution control
- Intelligent IOT-based ventilation system controls
- Building façade and enclosure-integrated ventilation
- Ventilation of cities
- Driving forces for ventilation – natural, mechanical or hybrid ventilations
- Impacts of ventilation on air quality, health, comfort, productivity and creativity
- Impacts of ventilation on energy consumptions and costs

<https://www.tandfonline.com/journals/tjov20>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=INT%20J%20VENT&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>

SMART AND SUSTAINABLE BUILT ENVIRONMENT

ISSN / eISSN 2046-6099 / 2046-6102

Publisher EMERALD GROUP PUBLISHING LTD, HOWARD HOUSE, WAGON LANE, BINGLEY, ENGLAND, W YORKSHIRE, BD16 1WA

3 issues/year, English

- Sustainable buildings, infrastructure, districts, cities and the community
- Smart and healthy workplace and living environments
- Innovative systems, technologies and products responding to emerging challenges
- Smart and sustainable design, construction, and operation of new built facilities and regeneration of existing ones
- Sustainable development processes, regulations, governance and community engagement
- Management of information and knowledge on innovation and sustainability
- Communication, education and training of sustainability principles and professional skills
- Digital Twins, Smart Technologies, Internet of Things (IoT), Network of Sensors and Intelligent Agents
- Computer Vision and Image Processing for Construction and Facilities Managements
- Data Science, Artificial Intelligence, Machine Learning, Transfer Learning, Deep Learning and Data Driven Approach for Optimisation of Built Environment
- Smart Contracts, Distributed Ledger Technologies and Blockchain for AEC Industry
- Demand-Response, Smart Grids and Sustainable Prosumer Based Community
- openBIM, linked data and semantic web for automating design and code checking
- Offsite Construction, Modern Methods of Construction, Additive Manufacturing, DfMA
- Use of Social Media and Data Science for Construction and Facilities Managements
- People-centred design systems based on virtual reality and cognitive tools (such as eye tracking and EEG)
- Design for health and safety concepts in construction project Using BIM and VR
- BIM-Based and Speech recognition platform for design checking

<https://www.emerald.com/insight/publication/issn/2046-6099>

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=SMART%20SUSTAIN%20BUILT&year=2022&fromPage=%2Fjcr%2Fbrowse-journals>