

UTS Broadway Design Competition



Conditions and Design Brief

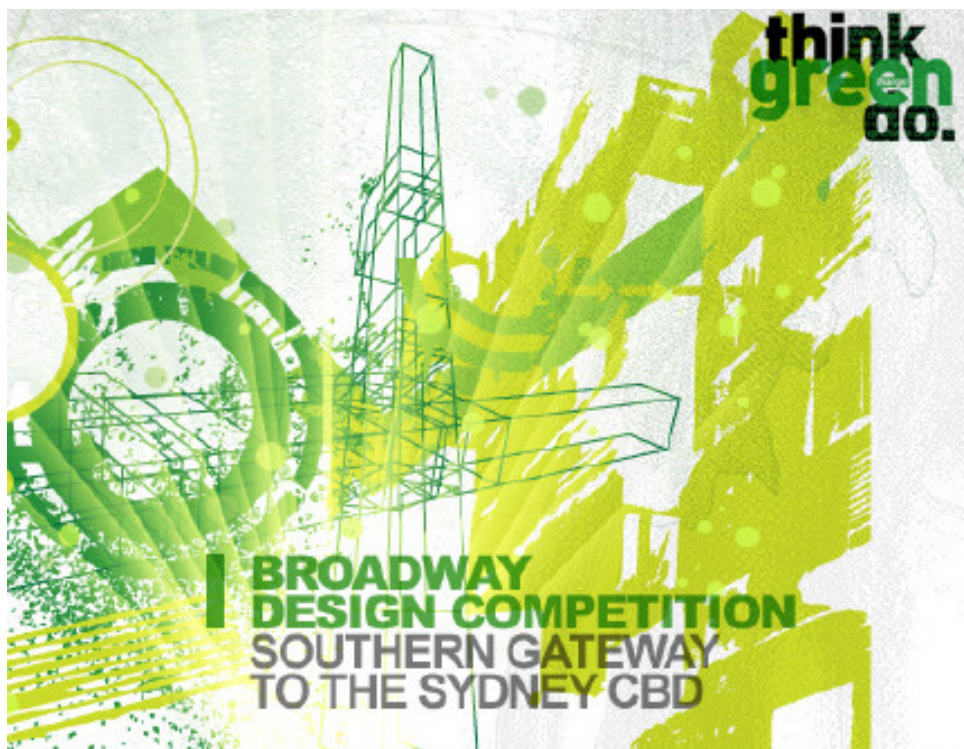


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PART 1 COMPETITION CONDITIONS

1. INVITATION

The University of Technology, Sydney (UTS) invites architects registered in Australia and their design teams to submit capability statements and ideas, and then if invited proposals in a two-stage architectural competition for the design of the UTS Broadway Building.

1.1 Eligibility

The competition may be entered by any person who is registered (by the appropriate registration board) as an architect to practice within Australia, completes a Declaration Form, and who complies with the competition conditions.

Entrants are required to produce evidence of their professional qualifications and current professional registration number to be deemed eligible to enter the competition.

When an entry is made by a team of professionals one eligible professional must be nominated as the entrant with his or her name entered on the Declaration Form.

1.2 Competition type

This competition is in two stages. The first stage is open to all those deemed eligible according to section 1.1 above, and is a combined “expression of concepts” and “statement of capabilities” stage for the project. Submission of a Capability Statement is mandatory in the first stage. Concept Proposals are optional and are not to be fully developed at this stage. Rather, entrants should present their conceptual approach to the brief with an emphasis on design innovation.

Second stage finalists will be invited from the first stage. This stage requires development of concepts into more detailed architectural proposals which respond to the assessment criteria and other conditions.

2. ADMINISTRATION

The competition promoter is the University of Technology, Sydney. All communications or enquiries relating to the competition must be addressed to the Competition Manager via email at:

manager@UTSbroadway.com.au

3. LANGUAGE

All documents submitted must be in English.

4. REGISTRATION

All eligible architects wishing to participate in this competition must register online at:

www.UTSbroadway.com.au/register

The last day for registration is **Saturday 31 January 2009**.

Following registration competitors will gain password access to the secure login section of the competition website.

5. COMPETITION ASSESSMENT

A panel of Assessors led by the Chairman of the Assessors will be responsible for the conduct of the competition and the selection of the winning submissions. The Assessors will draw up a framework for evaluation, having due regard for the design criteria stated in the Design Brief. All entries will be assessed using the same criteria. At the end of the second stage the Assessors will prepare a report outlining the reasons for selecting the winning design.

6. ASSESSORS

The twin strands of the competition first stage will be assessed by separate sub-panels. The first stage panel of Assessors will be constituted as follows:

6.1 Concept Assessment

Vice-Chancellor, UTS, or nominee

Dean, UTS Faculty of Design, Architecture & Building, or nominee

Member[s], UTS Masterplan Project Control Group

6.2 Capability Assessment

UTS Deputy Vice-Chancellor (Resources), or nominee

Director, UTS Facilities Management Unit, or nominee

Manager, UTS Planning and Design Review, or nominee

7. HONORARIA

Finalists in the first stage of the competition who accept the invitation to proceed to the second stage will receive an honorarium of \$50,000 each on submission of their second stage proposal.

8. FIRST STAGE

8.1 Questions

Any questions concerning the competition conditions or brief should be sent to the Competition Manager via email at:

manager@UTSbroadway.com.au

The final date for submission of questions is **6 February 2009**.

All questions and answers will be posted on the competition website at:

8.2 First stage submissions

The first stage of the competition is composed of two strands; a mandatory Statement of Capability and an optional Concept Proposal. The Concept strand of the competition gives an opportunity for emerging talent in particular to showcase their vision and be considered for second stage invitation alongside established professional firms.

The first stage of the competition is intended to produce evidence of the design approach and of the quality of design and innovation appropriate to the nature of this project, and the ambitions of the University of Technology, Sydney as stated in Part 2 of this document.

A detailed design submission is not sought at this stage. Drawings and images should be such as to illustrate an outline design approach and an indication of how this might be developed in detail, along with explanation of any proposed technologies or systems not understood within the scope of usual architectural practice.

Registrants will be free to combine graphics and text within the page limits for both concept and capability submissions.

Entrants may use the photographic images, diagrams and maps made available within the Competition Brief and via the competition website for purposes related to the presentation of their entry. Copyright of photographic images, diagrams and maps remains with the authors of those works and all statutory rights are preserved.

First stage submissions should comprise:

Capability Statement

The Capability Statement is mandatory for first stage submissions. A pro forma to be used for the Capability Statement is provided on the competition website.

The Capability Statement will comprise approximately ten (10) single-sided A4 pages detailing the registrants' past performance and suitability for the project.

The document will include curriculum vitae, practice information notes and/or illustrations of other work which the entrant has carried out. The intent is to provide evidence of the capability and competence of the entrant to carry out the project if appointed.

All Capability Statements will be reviewed by the Capability Assessment sub-panel. Assessment of this strand is, of necessity, not anonymous and also should **not** have the competition identification number affixed.

Two (2) compact discs each containing an electronic version of the capability statement must be enclosed.

Concept Submission

The Concept Submission is optional for first stage submissions, and should consist of four (4) A2 sheets of drawn or text material mounted on lightweight board.

Entries should be clearly numbered, with the competition identification number affixed on the reverse of each panel. Entries without the competition identification number will not be eligible.

All Concept Submissions will be reviewed by the Concept Assessment sub-panel anonymously. Accordingly, other than the competition identification number affixed as above all submissions must be free of any marks, logos, or writing that identifies the applicant(s). The presence of any identifying insignia will result in disqualification.

Two (2) compact discs each containing an electronic version of the four A2 sheets of the concept submission at a resolution of 200 dpi.

8.3 Lodgement

First stage submissions must be lodged with:

**The Competition Manager
UTS Broadway Competition
Level 6, 235 Jones St
Ultimo 2007**

First stage submissions must be lodged by 2:00 pm on **Wednesday 25 February 2009**.

8.4 First stage assessment

The first stage entrants will be assessed during early March 2009.

Up to six finalists will be selected to go through to stage 2. It is expected that some finalists will be selected on the basis of design concept, and some on the basis of capability.

It is essential that the winner of the competition has the ability to undertake the commission and complete it in a timely fashion. For this reason the Capability Assessment sub-panel will review the capability statements of first stage finalists who have been selected on the basis of their concept submission. The Capability Assessment sub-panel will assess the ability of first stage finalists to undertake the commission – either through their own experience or through a proposal to manage their affairs. The Capability Assessment sub-panel will not view the finalist's designs.

8.5 Interview

Some first stage finalists may be invited to an interview with the Capability Assessment sub-panel to discuss their approach to the management of the project if appointed, and to discuss the constitution of their design teams. Any first stage finalists who are unable, in the opinion of the Capability Assessment sub-panel, to organise their affairs to undertake the project, will not be invited to participate in the second stage.

8.6 Competitors' expenses

UTS will reimburse reasonable expenses incurred by interstate competitors invited to travel to Sydney for the purpose of interviews with the Capability Assessment sub-panel and briefing for the second stage.

8.7 Collection of submitted material

UTS will not be responsible for the return of material to competitors. Competitors wishing to have material returned must arrange collection from the Competition Manager following announcement of the second stage results.

The promoters may wish to retain a selection of entries for exhibition at the conclusion of the second stage of the competition. Entries retained for exhibition will be returned to competitors concerned on request at the expense of UTS.

9. SECOND STAGE

9.1 Participants in second stage

Up to six architects, with their design teams, selected from the first stage of the competition will be invited to participate in the second stage of the competition, provided the Capability Assessment sub-panel is satisfied under clause 8.5.

9.2 Briefing

The Design Brief as issued with these conditions will serve for both stages of the competition. A design research dossier will be released to participants at the commencement of the second stage of the competition. This dossier will aid participants in relating the development of their designs to the ambitions UTS has for the building's innovation across areas of energy systems, user interactivity and spatial transformation.

9.3 Second stage submissions

At this stage submissions will be expected to illustrate a developed design concept for the proposed UTS Broadway Building together with a sound costing.

Second stage submissions should comprise:

1. Four (4) A1 sheets, mounted on lightweight board, illustrating site plan, the relationship of the building to the masterplan and overall campus strategy, plans of all principal floor levels, typical sections at 1:200, 1:50 typical section through a single floor, and drawings or other representations illustrating the design and character of the building.
2. A written report describing the design and its technical aspects, of no more than 5,000 words. Diagrams may be used to illustrate points.
3. An outline cost plan. The pro forma for this will be issued at the second stage.

4. Two (2) compact discs containing two (2) electronic versions of the entry. The electronic versions must consist of the completed pro forma cost plan and unsecured PDF files of the written report and each of the four A1 sheets of the design at a resolution of 200 dpi.

No other additional material will be accepted.

9.4 Lodgement

Second stage submissions must be lodged with:

The Competition Manager
UTS Broadway Competition
Level 6, 235 Jones St
Ultimo 2007

Second stage submissions must be lodged by 2:00 pm on **Wednesday 13 May 2009**.

9.5 Second stage assessment

The second stage Assessment Panel, comprising 3 nominees of NSW Department of Planning and 3 nominees of UTS will select a winning entry and will recommend to the University of Technology, Sydney the appointment of the winning architect for the project.

9.6 Appointment

The University of Technology, Sydney intends to proceed with the appointment of an architect for the project, taking full account of the recommendations of the Assessors and the outcome of the competition. The University expects that the conditions of engagement will be based on the standard form of agreement for the Appointment of an Architect. Fees will be subject to negotiation based on the now withdrawn RAIA Fee Guide No. 8, Classification 1.

The University of Technology, Sydney has the right not to award a winner and not to proceed with the project at its absolute discretion. The University is the sole authority in making a determination from the competition process, and no correspondence will be entered into.

9.7 Ownership and Copyright

Ownership of and copyright in all Design Documentation shall as from the date of submission be, and shall remain, vested in the University of Technology, Sydney.

By submitting an entry a competitor agrees to grant to the University of Technology, Sydney a worldwide, perpetual, royalty-free, exclusive license to use and/or reproduce the entry in any way, in any medium now known or hereafter devised, for any purpose, including but not limited to publication, exhibition, education and archive of the Competition.

9.8 Disqualification

An entry may be excluded from the competition for any of the following reasons:

- If received after the relevant last date for submission of entries;
- If any of the competition conditions are breached or disregarded;
- If a competitor improperly attempts to influence directly or indirectly the decision of the Assessors.

9.9 Disputes

The decision of the Chairman of the Assessment Panel in all matters pertaining to the judging of the competition will be final.

10. COMPETITION TIMETABLE

12 January 2009	Launch first stage competition
31 January 2009	Registrations close; question period closes
6 February 2009	Answers to questions posted
25 February 2009	First stage competition closes
30 March 2009	Launch second stage competition
13 May 2009	Second stage competition closes

PART 2 DESIGN BRIEF

11. COMPETITION OBJECTIVES

11.1 Introduction

The University of Technology, Sydney proposes the construction of a new building on Broadway in central Sydney to support the University's current major investments in research and teaching and learning development.

The purpose of this architectural competition is to seek ideas which may lead to an innovative architectural vision for the UTS Broadway Building which will:

- provide accommodation for the Faculty of Engineering and Information Technology, general teaching space, retail space, UTS Union space and basement carparking
- create a sustainable urban form which achieves at least a 5 star green star rating
- integrate and creatively interpret the objectives of the University of Technology, Sydney as an institution
- creatively interpret the campus masterplan, and the situation of the Broadway Building within it, paying attention to the Broadway Building's role as an urban campus gateway from Broadway to the new Campus Green, the direct connection to Building 10, and potential connections to the proposed University Library
- Create a positive public interaction with its neighbouring buildings and environment, including the Frasers Broadway site, in such a way as to enhance the southern approach to the Sydney CBD
- Demonstrate innovation in architectural design, flexible and adaptive use of spaces, the application of innovative systems and material technologies, and approaches to the public domain consistent with the University's civic aspirations and role as a community leader
- encourage industry engagement with innovative, high-profile, multi-purpose facilities that will promote UTS-industry partnerships in teaching, learning and research.

11.2 Green building

The University is committed to sustainability across the full spectrum of its teaching and learning and research endeavours. The design for the UTS Broadway Building must achieve at least a 5 star green star rating. Innovative approaches to issues of sustainability and energy will be highly regarded.

It is anticipated the building will incorporate cogeneration for improved energy efficiency.

11.3 Adjacent building interaction

The UTS Broadway Building will be adjacent to the existing UTS Building 10 which is bordered by Wattle, Jones and Thomas Streets. The design must accommodate positive direct connection to

Building 10 at ground level [level 2] and at Level 7. The proposal must address the Jones Street pedestrian zone, and seek to realize the potential of this significant gateway to the campus.

12. SITE

12.1 About the University of Technology, Sydney (UTS)

UTS was formed at the beginning of 1988 from the former NSW Institute of Technology (NSWIT), and was restructured in 1990 by merger with the Kuring-gai College of Advanced Education, the School of Design, and the Institute of Technical and Adult Teacher Education, forming the current UTS. Although its antecedent institutions go back as far as 1893, they took new shapes from the 1960s. This change in profile, combined with the University's predominantly CBD location in the city of Sydney, created a new identity. UTS is a university focused on practice-oriented education with strong links to industry, the professions and the community, and with a growing research reputation and a strong commitment to internationalisation.

UTS is a contemporary and progressive university with a global perspective that is linked to the life of the cosmopolitan city of Sydney and the knowledge requirements of industry and the professions. UTS is characterised by:

- Extensive and multifaceted links to the professions, industry and the community, manifested through: student learning in the workplace; extensive use of industry practitioners for teaching; involvement of industry in the strategic, educational and research direction of faculties; successful research and teaching partnerships and projects with industry; and an influential cadre of adjunct professors.
- A practice-oriented approach to education, which integrates disciplinary knowledge with professional practice and produces graduates who are industry-ready and highly employable. This orientation is evident in the UTS academic profile, the professional orientation of courses and the blending of theory and practice in curriculum design and teaching and learning methods.
- Strong commitment to internationalisation and multiculturalism. This is expressed through: a leading role in Australia in providing international experiences for Australian students; a large and diverse international student body; the considerable cultural diversity of both domestic students and staff, and the University's extensive and developing international relationships.
- Student-focus driven development of campuses and infrastructure to enhance student life. This is expressed through significant improvements in the physical and information technology infrastructure, the services provided to students and the broader conception of the student experience to include the social, sporting and cultural life of our students.
- Focused development of research, as evidenced by clearly articulated areas of research strength, collaborations with other research institutions and industry, an increasing depth and quality of researchers, and a growing, well supported research student population.

Proposals should demonstrate a commitment to these principles.

12.2 Location and context

The site for the UTS Broadway Building is on the north side of Broadway, between Wattle and Jones Streets, opposite the Frasers Broadway site (formerly the Carlton United Brewery). It is bordered to the north by UTS Building 10.

The site has prominence for pedestrian and vehicle traffic approaching in a northerly direction along Abercrombie Street and in an easterly direction along Broadway.

The University masterplan, available to competition registrants, will provide necessary contextual information.

12.3 Characteristics of the site

The competition site is defined by Broadway to the south, Wattle Street to the west, UTS Building 10 to the north and Jones Street to the east.

The base plans of the site are available for download from the competition website at:

www.UTSbroadway.com.au/downloads

The site is a 5 minute walk from Central Station, and as such is readily accessible by car, train and bus.

Proposals should consider the immediate site in terms of the broader campus masterplan, taking into consideration how design decisions made at the level of the building affect the broader campus and urban landscape, and seed further design possibilities at this level. Proposals should pay particular attention to the ways in which the Broadway Building interacts with and organises a range of movement patterns through and around the site, and that these patterns involve a range of potential users of the building, both internal and external to UTS.

12.4 Views to and from the site

A range of single photographs and panoramic montages showing aspects of the site and its surroundings is available for download from the competition website.

12.5 Ground conditions

For the purposes of the competition it may be assumed that the site sub-strata is solid sandstone.

13. PLANNING CONTROLS

13.1 Ownership

The competition site is wholly owned by the University of Technology, Sydney.

13.2 Planning Authorities

The Planning Authority for the site is the NSW Department of Planning. The winning design for the UTS Broadway Building will need planning permission in accordance with normal procedures. However, competitors must not raise queries or enter into direct discussions with consent authorities. Competitors should proceed on assumptions based on this Design Brief. Any questions should be referred to the Competition Manager in accordance with the competition brief.

13.3 Zoning

The site is zoned Residential-Business, and is part of the Ultimo-Pyrmont precinct.

13.4 Legislation and statutory requirements

Competitors are not expected to resolve the detailed requirements of all relevant legislation. However, it is emphasised that designs must be capable of realisation within the constraints of this legislation. In particular, the attention of competitors is drawn to:

- The Building Code of Australia
- Occupational Health and Safety legislation
- Australian Standards
- Sydney Local Environment Plan (LEP) 2005

Under the Sydney LEP 2005, the permissible building height for the site is 42 m. This building height is defined as the vertical distance measured in metres between the natural surface level of the ground on which the building is sited or, where the natural surface has been excavated, the land of the adjoining public domain, and the ceiling of the topmost habitable floor of the building above that point. Minor variation to the permissible height may be acceptable.

14. GENERAL BRIEF REQUIREMENTS

14.1 Strategic Vision

UTS has great strength in Information Technology (IT) and its applications, and in the IT-computer areas of Engineering, as well as the IT end of Creative Industries. As part of its strategic plan UTS has combined these areas into the new Faculty of Engineering and Information Technology to foster synergies and develop these strengths to a level of international leadership. As a whole, the University has committed a new investment of \$40 million in research development and over \$2 million for the development of new teaching and learning methodologies. The UTS Broadway Building will provide the infrastructure to realise the potential of these investments in terms of Engineering and IT strengths.

The site of the new building is at the epicentre of Australia's creative and Information and Communication Technology (ICT) industries. Sydney is home to 37% of Australia's Creative Industries workforce and 33% of the ICT workforce.

A key feature of the Broadway Building will be a series of interactive and transformable collaborative research labs. They will promote frontier research, resulting in new technologies, applications and content, new markets and new users for technological products, cutting-edge industrial design, and ICT-enhanced services: a place where technology and creativity intersect. These will be multi-disciplinary spaces in which students, academics and industry will come together to learn from each other and develop solutions for issues facing Australian and international communities, and to develop the next generation of professionals and innovators for these critical industries. No other Australian university has such a facility.

Postgraduate students and postdoctoral researchers will be at the heart of this new environment. UTS plans to build its current 400 PhD students in these disciplines to 600, and to locate them at the physical and intellectual centre of this creative hub.

14.2 Innovative Spaces

The Broadway Building will provide the physical manifestation of this strategic vision through the creation of innovative spaces at all levels of the building's operation.

- Accommodation for 600 PhD students will be the physical and conceptual centre of the building, and should be a major influence on how the building is organized, and how it operates.
- The collaborative research labs should link the research students to the academic faculty, and allow industry partners access to the core function of the building, which is the production of cutting edge research.
- These labs need to deal with constantly evolving and transforming research agendas, and with different types and scales of research. For example, at any one time, labs will have to accommodate pure research utilising state-of-the-art computing, IT and engineering infrastructure, applied research involving teams of researchers physically drawn from different locations (both real and virtual), and research involving the design and fabrication of products and technologies at full scale.
- As much as possible, the building itself should be the testing ground for applications of the research being undertaking within it. This will be especially important for IT research involving data visualisation and management, and for design-led research involving full-scale prototyping and testing. One can imagine a situation in which a research lab needs to be configured as a domestic environment to test new computing applications and products for the home, or where the façade system of the building can be configured to test new materials and their environmental performance, or a data projection system.
- The building should include a research visualization forum, or 'data arena', a theatre-like space where interactive data structures can be visualized and manipulated. Data projected so as to create an immersive spatial environment provides an important tool for complex decision making, as it allows the decision makers clear, direct and interactive overviews. This facility will act as a public space and also a teaching space, a

forum where the latest research findings and applications can be presented to a wide audience.

- UTS has pioneered the use of remote laboratories for teaching and learning in Engineering. The Remote Laboratory delivers web based real-time interactive experiments with actual apparatus and equipment and is accessible 24 hours, 7 days a week. The Lab currently has a capacity of over 1,000 students per semester and is one of the largest and most successful facilities of its kind in the world. The UTS Broadway Building will house extended lab facilities of this kind, enabling UTS to offer access to secondary school students for remote real-time experiments
- The building should also involve the public in as many ways as possible. The ground level should encourage the interaction of passers-by through offering an interactive insight into the functions contained within the building. The position of the building as part of the new gateway to the UTS campus should be conceived of so as to enhance the transparency of the building.

14.3 Summary of proposed works

Submissions should incorporate the following features:

- accommodation for 500 staff and up to 4,300 students, of which 600 will be PhD students
- purpose designed spaces for industry and community collaboration and interaction
- 2 basement carpark levels
- total accommodation of 27,000 m² usable floor area composed of:
 - 18,500 m² Flexible/Adaptable Faculty Space
 - 1,800 m² General Teaching Space
 - 200 m² Retail Space
 - 500 m² Student Union Space
 - 6,000 m² Carpark Space

15. ADDITIONAL MATERIAL

Additional material which is relevant to the stages of the competition may be made available for reference and/or downloading from the competition website. Registrants will be advised of the addition of this new reference material via email.

15.1 UTS City Campus Masterplan 2020

The objective of the UTS City Campus Masterplan is to give UTS a coherent campus; and to raise the standard of the University's infrastructure to a level that supports its strategic objectives in research and teaching and learning development.

Excerpts from the Masterplan which are relevant to the competition are available for download from the competition website.

15.2 Frasers Broadway Development

The Frasers Broadway development on the former Carlton United Brewery (CUB) site is a major construction and urban renewal project which will define a significant aspect of the environment for the UTS Broadway Building.

In September 2008 the modified concept plan for the CUB site was submitted to the NSW Minister for Planning and included new parklands, community facilities and upgrades to urban infrastructure. The modified concept plan application can be viewed at the Frasers Broadway website at:

<http://www.frasersbroadway.com.au/broadway/>

16. COST

Designs must be capable of realisation within a budget of \$150,000,000 at current building costs without allowance for escalation. This budget is exclusive of professional fees and competition costs.

17. PROGRAM

It is envisaged that the second stage winner will be announced in June 2009 with construction commencement on site in June 2010.