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# AustraliaNOW: Coming Up From Down Under

## Part One: 20th Century International Influences

Daniel Brown, Professor of Architecture, Victoria University of Wellington (NZ)  
Paul Broches, FAIA, Partner Emeritus, Mitchell/Giurgola (NYC)

1 Formal CPD Point



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## Learning Outcomes

At the end of this presentation, you should be able to:

- Describe the influences of international architects during the 20th century to transform Australian architecture.
- Explain how 20th century international architects have shaped the approaches of emerging and established practices in the 21st century.
- Describe collaborations with consultants and structural engineers.
- Discuss how innovations in materials and construction systems have impacted design.

## Part One: 20th Century International Influences

This presentation will deliver outcomes related to the following Competency/s from the National Standard of Competency for Architects 2015:

### **Design: Pre-Design**

**2.6** Preparation and analysis of project development options in response to project brief.

### **Design: Conceptual Design**

**3.2** Application of creative imagination, aesthetic judgement and critical evaluation in formulating design options.

**3.7** Assessment and integration of construction systems and materials consistent with project brief.

### **Design: Schematic Design**

**4.4** Inclusion of expertise of relevant specialists and consultants in developing the project design.



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## Part One: 20th Century International Influences

This presentation will deliver outcomes related to the following Competency/s from the National Standard of Competency for Architects 2021:

### PROJECT INITIATION AND CONCEPTUAL DESIGN

**PC18** Be able to apply creative imagination, design precedents, research, emergent knowledge and critical evaluation in formulating and refining concept design options, including the exploration of three dimensional form and spatial quality.

**PC25** Be able to draw on knowledge from the history and theory of architecture as part of preliminary design research and when developing the conceptual design.

**PC28** Be able to draw on knowledge from building sciences and technology, environmental sciences and behavioural and social sciences as part of preliminary design research and when developing the conceptual design to optimise the performance of the project.

### DETAILED DESIGN AND CONSTRUCTION DOCUMENTATION

**PC41** Be able to coordinate and integrate input from specialists and consultants into the detailed design and documentation.



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## ABOUT THE PRESENTER

# DANIEL BROWN

Professor of Architecture  
Victoria University of Wellington (NZ)

Daniel K Brown holds the inaugural chair Professor of Design Studio at Victoria University Faculty of Architecture and Design in Wellington, New Zealand. He completed his professional MArch degree at Yale University and is a registered architect in New York. During Daniel's 25-year academic career, he has won 12 teaching awards including the New Zealand National Award for Sustained Excellence in Tertiary Teaching. Daniel has also been awarded seven international research fellowships including the American Fulbright Fellowship; three national research fellowships; and 16 professional awards for collaborative designs.

Daniel's 14-year professional career in architectural practice began in Rome in 1984 at Brown Daltas and Partners in Rome, as lead designer for the Memorial to Science in Riyadh. From 1985-1989, Daniel was Senior Associate at Harry Seidler and Associates in Sydney and Project Manager of the Shell Oil Corporation National Headquarters in Melbourne. He subsequently relocated to New York, joining Richard Meier & Partners to work on the Barcelona Museum of Contemporary Art, after which he became Vice-President of Emilio Ambasz and Associates (EAA) in New York, a position he held until 1996.

In 2010, a 5-year retrospective of Daniel's work was exhibited at the Venice Architecture Biennale in the host Italy Pavilion, as part of the exhibition "Reflections of the Future".



Courtesy Robert Cross Photos - Daniel Brown Teaching Award Portrait commissioned by Victoria University of Wellington





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## ABOUT THE PRESENTER

# PAUL BROCHES

FAIA, Partner Emeritus  
Mitchell/Giurgola (NYC)

Paul Broches, FAIA, is Partner Emeritus of Mitchell Giurgola in New York. He studied architecture at Columbia University's Graduate School of Architecture, Planning & Preservation (GSAPP) with the school's Faculty Chair, Romaldo (Aldo) Giurgola and was influenced by Aldo's ability to balance a passionate dedication to design with great modesty and a generosity of spirit. Paul joined Mitchell Giurgola in 1971, became a partner in 1980, and Partner Emeritus in 2022.

Paul was a member of the team that designed the Parliament House in Canberra, Australia. He also had the rare privilege of leading the team that executed the last project designed by Louis Kahn, the FDR Four Freedoms Park on Roosevelt Island in New York City. His work at the firm includes projects for the Brooklyn and New York Public Libraries, the Brooklyn Academy of Music, Rockefeller University, City University of New York, NYU, and NYC Public Schools.

Paul is a Fellow of the AIA and a member of the Board of the International Architects, Designer & Planners for Social Responsibility. He was elected to the National Academy of Design in 2013 and to the Board in 2018.



Photo courtesy Mitchell/Giurgola

*Please refer to the PDF – AustraliaNOW Coming Up From Down Under  
for the program contents*



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## Assessment Questions

Ove Arup used computers with Jorn Utzon to determine how to construct the shells of the Sydney Opera House.

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What was the first use of computers during the design process to determine constructability for a building?



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## Assessment Answers

Michael Nelson Tjakamarra created a 50'x50' mosaic as the welcoming forecourt to the project, using granite tiles in the pointillist manner of his Elder's sand paintings/

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How was the work of First Nations artists incorporated into the 1988 Parliament House?





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## Assessment Answers

The site selected for the new Parliament House was intended to be preserved as a public park. The selected design created a new park on the roof of the new building.

## Part One: 20th Century International Influences

In the 19th century most of the architecture in Australia was based on British models and styles. How and why did this change in the 20th century?