

# LINE, PLANE, SHAPE, SPACE IN DESIGN

Line and plane to solid: Analyzing their use in design practice through  
shape rules

*Gareth Paterson and Chris Earl*

Interactions between brand identity and shape rules  
*Rosidah Jaafar, Alison McKay, Alan de Pennington and Hau Hing Chau*

Approximate enclosed space using virtual agent  
*Aswin Indraprastha and Michihiko Shinozaki*

Associative spatial networks in architectural design – Artificial cognition  
of space using neural networks with spectral graph theory  
*John Harding and Christian Derix*