

Victoria Ballard Bell Design Corps

Patrick Rand NCSU Design/Architecture

**Materials for Design** bridges the gap between construction materials and design. Students, interns and practicing architects will find the projects to be a catalyst for the advancement of their own investigations of design and technology

Students must be taught how a choice of material affects the form and look of a structure; they must also learn how inspired design can inject any material with personality and zeal. Broken into five sections—glass, wood, metals, plastics, and concrete—**Materials for Design** makes a thorough study of each material's properties, followed by a series of case studies of that material put to imaginative use by today's brightest architects from around the world.

No other book tackles material details so thoroughly while presenting lush, inspired color photographs, plan drawings, and detailed architectural diagrams.

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#### GLASS

**Church of the Sacred Heart**  
Munich, Germany  
ALLMANN SATTLER WAPPNER ARCHITECTEN

**Laminata Glass House**  
Leerdam, The Netherlands  
KRUUNENBERG VAN DER ERVE ARCHITECTEN

**Masons Bend Community Center**  
Masons Bend, Alabama, USA  
AUBURN UNIVERSITY SCHOOL OF ARCHITECTURE, RURAL STUDIO

**Glass Stair**  
New York, New York, USA  
ARD WITH OUY NORDENSON

**R128**  
Stuttgart, Germany  
WERNER SOBEK

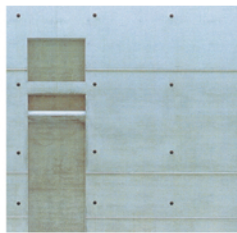
**Crystal Unit III**  
Hiroshima, Japan  
KATSUFUMI KUBOTA

**The German Foreign Ministry, Lichthof facade and roof**  
Berlin, Germany  
JAMES CARPENTER DESIGN ASSOCIATES

**440 House**  
Palo Alto, California, USA  
FOUGERON ARCHITECTURE

**Architecture Pavilion at the Technical University of Braunschweig**  
Braunschweig, Germany  
VON GERKAN, HERO AND PARTNERS

**New 42 Studios**  
New York, New York, USA  
PLATT BYARD DOVELL WHITE ARCHITECTS



#### CONCRETE

**Maryhill Museum of Art Overlook**  
Goldendale, Washington, USA  
ALLIED WORKS

**Hafengebaude Rohner**  
Lake Constance, Austria  
BAUMSCHLAGER & EBERLE

**De Blas House**  
Sevilla de la Nueva, Madrid, Spain  
ALBERTO CAMPO BAZA

**Valdemaqueda Town Hall**  
Valdemaqueda, Spain  
PAREDES PEDROSA ARQUITECTOS

**LOOK UP Office**  
Gelsenkirchen, Germany  
ANIN JEROMIN FITILIDIS & PARTNER

**Signal Box Switching Station**  
Zurich, Switzerland  
GIGON/GUYER ARCHITECTEN

**Crematorium**  
Baumschulenweg, Berlin, Germany  
AXEL SCHULTES AND CHARLOTTE FRANK

**Harrison Residence and Winery**  
Echuca, Australia  
WARD CARTER ART & ARCHITECTURE

**Retirement Home**  
Basel, Switzerland  
STEINMANN & SCHMID ARCHITECTEN

**Falmouth Recreation Center**  
Falmouth, Massachusetts, USA  
THE GALANTE ARCHITECTURE STUDIO

**Price O'Reilly House**  
Redfern, New South Wales, Australia  
ENGELN MOORE

**Yamaguchi Prefecture Pavilion**  
Ajiso-cho, Japan  
KATSUFUMI KUBOTA

**Burley Barling House**  
Mandurang, Victoria, Australia  
WARD CARTER ART & ARCHITECTURE



#### WOOD

**Messenger House II**  
Nova Scotia, Canada  
BRIAN MACKAY-LYONS

**Bamboo Canopy**  
Queens, New York, USA  
ARCHITECTS

**GucklHupf**  
Mondsee, Austria  
HANS PETER WÖRNDL

**House in Kromeriz**  
Kromeriz, Czech Republic  
ARCHTEAM

**Think Tank**  
Skibbereen, County Cork, Ireland  
GUMUCHDJIAN ARCHITECTS

**BTY Commercial and Residential Building**  
Welfurt, Germany  
BAUMSCHLAGER & EBERLE

**ILMASI School**  
Garbsen, Germany  
DESAPANO ARCHITECTEN

**Sirch Woodworking Manufacturing**  
Bohen, Germany  
BAUMSCHLAGER & EBERLE



#### METALS

**Tram Stations**  
Hanover, Germany  
DESAPANO ARCHITECTEN

**Future Shack**  
Various locations  
SEAN OGDSELL

**Christ Pavilion, Expo 2000**  
Hanover, Germany  
VON GERKAN, HERO AND PARTNERS

**Kew House**  
Kew Melbourne, Australia  
SEAN OGDSELL

**Springecture H**  
Hyogo, Japan  
SHUKEI ENDO

**Modular VII Chiller Plant**  
University of Pennsylvania, Philadelphia, Pennsylvania, USA  
LEERS WEINZAPFEL ASSOCIATES

**Sudwestmetall Reutlingen**  
Reutlingen, Germany  
ALLMANN SATTLER WAPPNER ARCHITECTEN

**Liner Museum**  
Appenzell, Switzerland  
GIGON/GUYER ARCHITECTEN

**Power Station North**  
Salzburg, Austria  
BÉTRIX & CONSOLASCO ARCHITECTEN

**Kavel 37**  
Borneo, Amsterdam  
HEREN 5 ARCHITECTEN

**Schemata XI**  
Lawrence, Kansas, USA  
STUDIO 004, UNIVERSITY OF KANSAS

**The Aluminum Forest**  
Houten, the Netherlands  
ARCHITECTENBUREAU MICHA DE HAAS

**Raum Zita Kern**  
Raasdorf, Austria  
ARTEC

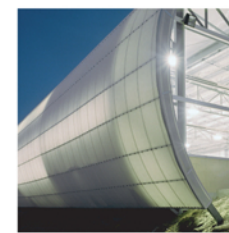
**Max Planck Institute**  
Dresden, Germany  
HEIKKINEN-KOMONEN ARCHITECTS

**The Embassies of the Nordic Countries in Berlin-Tiergarten**  
Berlin, Germany  
BERGER & PARKINEN

**Sauna Pavilion**  
Berkshire Mountains, Massachusetts  
ARTIFACT DESIGN & CONSTRUCTION

**Mining Archives**  
Germany  
VON GERKAN, HERO AND PARTNERS

**Melbourne Museum**  
Melbourne, Australia  
DENTON CORKER MARSHALL



#### PLASTICS

**Shiloh Bus Shelter**  
Asheville, North Carolina, USA  
DESIGN CORPS SUMMER DESIGN/BUILD STUDIO

**Church in Urubo**  
Urubo, Bolivia  
JAE CHA / LIJHT

**Colmenarejo Municipal Hall and Main Square**  
Madrid, Spain  
ABALOS & HERREROS

**Ma Atelier and Gallery, Fukuoka Prefecture**  
Kyushu, Japan  
HIROYUKI ARIMA

**50 Argo Street**  
South Yarra, Australia  
O'CONNOR & HOULE ARCHITECTURE

**House in Imazato**  
Imazato, Takamatsu Kagawa, Japan  
KATSUTASU KISHIGAMI

**Arauco Express**  
Santiago, Chile  
FELIPE ASSADI

**EKO Park Expo Pavilion**  
Warsaw, Poland  
APA KURYLOWICZ & ASSOCIATES

**Polymer Engineering Centre**  
Broadmeadows, Victoria, Australia  
COX SANDERSON NESS

**Montreux Parking Garage**  
Montreux, Switzerland  
LUSCHER ARCHITECTS

**The Olympic Amenities Building**  
Sydney, New South Wales, Australia  
DURBACK BLOCK ARCHITECTS

#### Azure:

*"Offers a well-illustrated compendium of the experimental leading edge. . . . Students will make good use of the book's technical side, and it should provide inspiration for anyone interested in contemporary building." (October 2006)*

#### Architectural Record:

*"The authors impart a thorough knowledge of glass, wood, concrete, metal, and plastic. A weighty tome, the book is a reference tool, complete with histories, production techniques, and each material's properties, along with case studies of new work. In short, this is the textbook that many of us wish we had in architecture school." (August 2007)*

#### Architect Magazine:

*"Required reading." (September 2006)*

#### The Architect's Newspaper:

*"This comprehensive guide contains 60 case studies of inventive materials. . . . Luscious photography is accompanied by detail drawings that are informative enough to make this a textbook." (December 11, 2006)*