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| RESUMEE                 | 2010  | PROFESSOR GOTTHILF GOETZ SCHIERLE, PhD, FAIA<br><a href="http://www-rcf.usc.edu/~schiele">http://www-rcf.usc.edu/~schiele</a><br><a href="https://www.usc.edu/structures">https://www.usc.edu/structures</a> , <a href="https://www.usc.edu/seismic">https://www.usc.edu/seismic</a>   |
| EDUCATION               | 1975  | PhD and Master of Architecture, University of California, Berkeley (GPA 3.97 / 4)<br>Major: structural design; minor: design methods and management science  |
|                         | 1959  | Dipl-Ing (Architecture/Engineering) Stuttgart, Germany   |
| LANGUAGES               |   | English, French, German, BASIC, FORTRAN  |
| TRAVELS                 |   | 37 countries in Africa, America, Asia, Australia, Europe   |
| LICENSES                |   | Architecture Licenses in California, Germany, Utah   |
| AFFILIATIONS            |   | <i>Fellow</i> American Institute of Architects   |
| AWARDS<br>AND<br>GRANTS | 1999-01<br>1998<br>1992-94<br>1991<br>1990-91<br>1986-87  | FEMA/CUREE Grant (\$1,000,000): Earthquake hazard mitigation of wood structures<br>Creative Achievement Award, ACSA: Association of Collegiate Schools of Architecture<br>National Science Foundation Grant BCS-9203339: <i>Quality Control in Seismic Design and Construction</i><br>National Science Foundation Equipment Grant BCS 9112472:: 9 PCs, test stand & shake table<br>National Science Foundation Grant BCS 9017133t <i>LDG: Lateral Design Graphs</i> (software)<br>US Department of Housing and Urban Development Grant: <i>SDG: Seismic Design Graphs</i>  |
| RECENT<br>SERVICE       | 1982-06<br>2004+05<br>2000-05<br>1995-<br>1995-<br>1995-98<br>1997<br>1997<br>1994<br>1993<br>1986-88 | Academic Senator representing School of Architecture (elected 1990- 92, 2000-06)<br>Member, Senate Executive Board Nominating Committee (elected)<br>Member, Probationary Deadline Committee<br>Member, Advisory Board, <i>Fabric Architecture</i><br>Member, Design Awards Jury, Industrial Fabrics Association International<br>Member, Editorial Board, <i>JAE: Journal of Architectural Education</i> , ACSA<br>Editor, Technology Issue (November), <i>JAE: Journal for Architectural Education</i> , ACSA<br>Developed and taught continuing education seminar: <i>Design or Seismic Safety</i> , USC<br>Chair, <i>Earthquakes and Architecture</i> seminar, AIA National Convention, LA<br>Member, NSF workshop on seismic research policy planning, Washington, DC<br>Chair, California Commission for Architecture License Exam on Structures |
| TEACHING                | 1975-<br>1985-95<br>1994<br>1966-78<br>1968   | UNIVERSITY OF SOUTHERN CALIFORNIA (USC), Professor (tenured since 1980)<br>Founding Director, Master of Building Science Program, USC (30+ student papers published)<br>Students won <i>First Prize</i> and 4 <i>Honorable Mention</i> in International Design Competition<br>UNIVERSITY OF CALIFORNIA, BERKELEY, Lecturer<br>Chair for structure courses (developed March / MSE joint degree program)<br>STANFORD UNIVERSITY, Lecturer  |
| VISITING<br>SCHOLAR     | 1996-97<br>1991+94  | UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA), Visiting Professor<br>EPFL: Ecole Polytechnique Federale de Lausanne, Switzerland: Visiting Professor<br>1991 Technical University Delft, The Netherlands, PhD advisor on lightweight structures   |
| EXECUTIVE<br>ARCHITECT  | 1970-   | PROJECTS IN PRIVATE PRACTICE<br>Terrace homes in China (200 units)<br>Terrace homes Hermosa Beach (33 units)<br>Master plan Park City Village, Utah ski resort (900 hotel condos) - <a href="#">Olympic Village 2002</a><br>Other residential projects (200 + units) in Germany, California, and Italy   |
| Residential             |   |  |
| Recreational            |   | Master plan, Intramural Sports Center (4 Gyms, Olympic pool, etc.), UC Berkeley<br>Tennis pavilion with innovative retractable walls, Canada   |
| Commercial              |   | Bank of Berlin office building, Berlin-Rathenow, Germany<br>Mixed-use building Berkeley, Office building, Pasadena<br>Hotel/Restaurant, Hermosa Beach and Monterey Park  |
| Institutional           |   | Portable classroom with innovative thermal double membrane, Detroit, MI<br>Theater pavilion (capacity 600), Armonck, NY<br>Youth Center (capacity 500), Weissach, Germany  |

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| CONSULTING<br>ARCHITECT                |         | University Pavilion, Loyola Marymount University, with Raymond Kappe, FAIA<br>IBM Headquarters, Frankfurt, Germany, with Heinle, Wischer, and Partners<br>Master Plan College III, UC San Diego, with Worley K. Wong, FAIA and Associates<br>Marine World Vallejo, membrane pavilion, with Advanced Structures Inc.   |
| EMPLOYED<br>ARCHITECT                  | 1967-70 | Chief Designer, Associate with Worley K. Wong, FAIA and Associates, San Francisco   |
|  | 1965-67 | UC Santa Cruz library: provost residence; dormitories; Stanford 240 high-rise dormitories<br>Designer with Skidmore Owings and Merrill, San Francisco   |
|  | 1962-64 | 25 story office tower, Sydney; Market Street East Redevelopment, Philadelphia<br>Design Director with Professor M. J. Saugey, Architect / Urbanist, Geneva, Switzerland<br>Swiss Expo'64, Lausanne: 26 restaurants, etc. with widely published cable roofs  |
| RECENT<br>PUBLIC<br>LECTURES           | 2010    | AIA National Convention San Francisco lecture: <i>Design of Fabric Structures</i><br><a href="http://www.aia.org/groups/aia/documents/presentation/aiab079317.pdf">http://www.aia.org/groups/aia/documents/presentation/aiab079317.pdf</a>  |
|  | 2006    | AIA National Convention Los Angeles lecture: <i>Design for Earthquake Safety</i>  |
|  | 2005    | AIA National Convention Las Vegas lecture: <i>Design for Earthquake Safety</i>  |
|  | 1998    | Accademia di Architettura, Univ. Della Svizzera Italiana, Mendrisio: <i>Design for Seismic Safety</i>   |
|  | 1997    | Ecole Polytechnique Federale de Lausanne, Switzerland: <i>Structures en Bois aux Etas Uni</i><br>(Lecture at international post-graduate seminar on timber structures for architects & engineers)<br>University of California, Los Angeles (UCLA): <i>Design for Seismic Safety</i>   |
| INTERVIEWS                             | 1994    | KABC TV interview on seismic safety in shopping malls<br><i>Los Angeles Times</i> interview on <i>Quality Control in Seismic Resistant Construction</i><br><i>Los Angeles Times</i> interview on seismic design of parking structures<br><i>United Press International</i> interview on Northridge Earthquake<br>KSCR radio interview on Northridge earthquake<br><i>City News</i> interview on NSF-funded study <i>Quality Control in Seismic Resistant Construction</i><br><i>Northridge Earthquake Field Investigations: Statistical Analysis of Wood-frame Damage</i><br>CUREE Publication W-09, 2003<br><i>Woodframe Project Case Studies</i> , CUREE Publication W-04, 2001<br><i>Quality Control in Seismic Resistant Construction</i> , National Science Foundation Report, 1993  |
| RECENT<br>RESEARCH<br>REPORTS          |         |   |
| BOOK &<br>RECENT<br>REFEREED<br>PAPERS |         | Schierle (2009) <i>LDG: Lateral Design Graph</i> , PhDia International Conference, USC, Los Angeles<br>Alshamrani, Schierle, Galal, and Vergun (2009) <i>Optimal Bracing to Minimize Lateral Drift in High-rise Buildings</i> , ASCE Annual Conference, Miami<br>Gowda and Schierle (2009) <i>Language of Form</i> , Architecture + Design<br>Schierle (2008) <i>Structure and Design</i> (textbook), Cognella, <a href="http://cognella.com/titles/schierle/">http://cognella.com/titles/schierle/</a><br>Schierle (2006) <i>Seismic Web Site</i> , Proceedings <i>Building Technology Educators' Symposium</i><br>Schierle (2002) "Northridge Earthquake: Residential Wood Structure Damage<br><i>Proceedings, Structural Engineers World Congress (SEWC)</i> , Yokohama, Japan<br>Schierle (2002) "Northridge Earthquake Field Investigations: Statistical Analysis of Woodframe Damage," <i>Proceedings, 7th National Conference on Earthquake Engineering</i> , Boston<br>Schierle (2002) "Northridge Earthquake Field Investigations: Damage to Residential Woodframe Projects," <i>Proceedings, ASCE Structures Congress</i> , Denver<br>Schierle, Vergun (1999) "Northridge Earthquake Damage Testing," <i>Proceedings, UCSD Workshop</i><br>Schierle (1996) "Quality Control in Seismic Design and Construction," <i>Journal of Performance of Constructed Facilities</i> , American Society of Civil Engineers, New York, 6 pp<br>Schierle (7 & 8, 1996) "Membranes under Prestress," <i>Fabrics and Architecture</i> , IFAI, 5 pp<br>Schierle, Ganti, Yin (1996) "Computer-Aided Design and Manufacture of Membrane Structures," <i>Proceedings, IASS, International Symposium</i> , Stuttgart University, Germany, 8 pp<br>Rau & Schierle (1995) "Vernacular Form: Wind Tunnel Tests and Computer Simulation," <i>Proceedings, International Conference on Wind Engineering</i> , New Delhi, India<br>Schierle (1994) "Quality Control for Seismic Safety," <i>LA Architect</i> (cover page)<br>Schierle (1994) "Computer Aided Seismic Design," <i>Journal of Architectural and Planning Research</i><br>Schierle (1993) "Structural Models as Design and Education Tools for Space Structures," <i>Proceedings, 4th International Conference on Space Structures</i> , Multi-Science Publishing, UK<br>Schierle and Yin (1993) "Anticlastic Membranes: Correlation of Form, Prestress, Behavior," <i>Proceedings, 4th International Conference on Space Structures</i> , Multi-Science Publishing, UK |