



# United Nations Environment Programme

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PROGRAMME DES NATIONS UNIES POUR L'ENVIRONNEMENT • PROGRAMA DE LAS NACIONES UNIDAS PARA EL MEDIO AMBIENTE

ПРОГРАММА ОРГАНИЗАЦИИ ОБЪЕДИНЕННЫХ НАЦИЙ ПО ОКРУЖАЮЩЕЙ СРЕДЕ

## UNEP-SBCI Annual General Meeting 2010 Election of Member Representatives.



### Sustainable Buildings and Climate Initiative

*Promoting Policies and Practices for Sustainability*

UNEP-SBCI members were asked to return their nominations for:

- The **2010 UNEP-SBCI Board**;
- The **2010 UNEP-SBCI Advocacy Committee**;
- The **UNEP-SBCI Sustainable Buildings Index Steering Committee**; and
- The **Technical Advisory Committee on Energy and Greenhouse Gas**.

The Secretariat received nominations from 24 member organizations.

Members were invited to vote for the nominees to the **UNEP-SBCI Board** during the Annual General Meeting. *The Advisory Committee, the Steering Committee and the Technical Advisory Committee on Energy/GHG did not require a vote.*

## UNEP-SBCI Board 2010 ([page 4](#))

*The UNEP-SBCI 2009 Board Chair and 2009 Chair-Elect are automatically renewed in their Board function.*

Organization	Name	Position/Title	Country	Function
Hydro Aluminium	Birgitte Holter	VP Sales and Business Development	Switzerland	2009 Board Chair
Lend Lease Corporation	Maria Atkinson	Global Head Sustainability	Australia	2009 Chair Elect

*Members have elected the following representatives to the UNEP-SBCI Board.*

Organization	Name	Position/Title	Country
Brazilian Sustainable Building Council (CBCS)	Marcelo Vespoli Takaoka	Chairman	Brazil
Building and Construction Authority, Singapore	Whatt Bin Choo	Executive Director, Services	Singapore
Centre Scientifique et Technique du Bâtiment (CSTB)	Alfonso Ponce	International Affairs Manager	France
U.S. Green Building Council	Richard Fedrizzi	President, CEO and Founding Chairman	USA
World Green Building Council	Jane Henley	Chief Executive Officer	Canada

## UNEP-SBCI Advocacy Committee 2010 ([page 13](#))

*Eight seats are available in the 2010 Advocacy Committee. This committee is formed with the following six nominees. Two seats are still open.*

Organization	Name	Position/Title	Seat
ADEME (French Environment and Energy Management Agency)	Stéphane Pouffary	Coordinator International projects - International Affairs Division	National government
Brazilian Sustainable Building Council	Fabio Feldmann	Board member	Not-for-profit
International Federation of Consulting Engineers (FIDIC)	Ike van der Putte	Director international environmental affairs RPS Group the Netherlands/ FIDIC representative	Not-for-profit
Jordan Green Building Council	Mohammad Asfour	Chairman	Not-for-profit
United States Green Building Council	Roger Platt	Senior Vice President, Global Policy and Law	Not-for-profit
China Merchants Property Development Co.,Ltd.	Hu Jianxin	Deputy General Manager	Private Sector

## UNEP/SBCI Sustainable Buildings (SB) Index Steering Committee (SC) ([page 20](#))

Sustainable Building Alliance	Ana Cunha	Board member	Partner- Sponsor of the committee
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**Ten seats are available for the 2010 Steering Committee. The committee is formed with the following ten nominees.**

ORGANIZATION	NAME	POSITION/TITLE	SEAT
Council for Built Environment, South Africa	Nana Mhlongo	Manager Research and Policy	Research Institution
Canada Wood	Robert Beaugard	Dean, Faculty of Forestry, Laval University	Not-for-Profit
Construction Industry and Development Board (CIDB)	Rodney Milford	Programme manager	Not-for-profit
Jordan Green Building Council	Abdullah Bdeir	Vice Chairman	Not-for-Profit
Hydro Building Systems	Werner Jäger	Head of Research and Development	Private sector
Residential Energy Services Network (RESNET)	Steven Baden	Executive Director	Private Sector
Bayer MaterialScience	Manfred Rink	Senior Vice President	Product Manufacturers
Lafarge	Constant van Aerschot	Director	Product Manufacturers
Brazilian Sustainable Building Council (CBCS)	Eduardo Trani	Chief in Cabinet - São Paulo State Housing Secretariat	Local Government
Building and Construction Authority Singapore	Kian Seng Ang	Director (Research)	National Government

## UNEP/SBCI Sustainable Buildings (SB) Index Energy/GHG Technical Advisory Committee (TAC) ([page 31](#))

**Six seats are available for the 2010 Energy/GHG TAC. The committee is formed with the following six nominees.**

ORGANIZATION	NAME	POSITION/TITLE	SEAT
Centre Scientifique et Technique du Bâtiment (CSTB)	Sylviane Nibel	Energy Health Environment Department	Research Institution
Brazilian Sustainable Building Council (CBCS)	Roberto Lamberts	Professor, Universidade Federal de Santa Catarina	Not-for-Profit
U.S. Natural Resources Defense Council (NRDC)	Kevin Mo	Senior Sustainable Building Specialist, NRDC China Program	Not-for-Profit
Lend Lease UK	Janet Kidner	Head of Sustainability	Private Sector
Council for Built Environment, South Africa	Zola Skosana	Researcher	At-large
Residential Energy Services Network (RESNET)	Philip Fairey	Deputy Director, Florida Solar Energy Center	At-large

## 2010 ELECTIONS: UNEP-SBCI Board

*The 2009 UNEP-SBCI Board Chair and Chair-Elect are automatically renewed in their Board function.*

Organization	Name	Position/Title	Country	Function
Hydro Aluminium	Birgitte Holter	VP Sales and Business Development	Switzerland	2009 Board Chair
Lend Lease Corporation	Maria Atkinson	Global Head Sustainability	Australia	2009 Chair Elect

*Therefore, 5 seats are available in the UNEP-SBCI Board.*

*Members have elected the following representatives to the UNEP-SBCI Board.*

*Please find the CVs of the representatives in the following pages.*

Organization	Name	Position/Title	Country	PAGE
Brazilian Sustainable Building Council	<a href="#">Marcelo Vespoli</a> <a href="#">Takaoka</a>	Chairman	Brazil	5
Building and Construction Authority, Singapore	<a href="#">Whatt Bin Choo</a>	Executive Director, Services	Singapore	6
Centre Scientifique et Technique du Bâtiment (CSTB)	<a href="#">Alfonso Ponce</a>	International Affairs Manager	France	8
U.S. Green Building Council	<a href="#">Richard Fedrizzi</a>	President, CEO and Founding Chairman	USA	10
World Green Building Council	<a href="#">Jane Henley</a>	Chief Executive Officer	Canada	12

## **Brazilian Sustainable Building Council**

### **Marcelo Vespoli Takaoka, Chairman**

Brazil



- Civil Engineer (1980), Master (2003) and PHD of Engineering (2009) from the Escola Politécnica da Universidade de São Paulo (BR).
- Researcher of Real Estate Nucleus of Escola Politécnica of USP (since 1983).
- Chairman of Takaoka (Real Estate Company) (since 1995).
- Chairman of CBCS (Brazilian Sustainable Construction Council) (since 2007),
- Board member of Sustainable Building and Construction Initiative (2009-2010),
- Board member of BVS&A (Social and Environmental Brazilian Stock Exchange) (since 2007),
- Board member of Greenpeace Brazil (since 2006),
- Board member of Instituto Ethos (since 2008),
- Member of Advisory Chamber of the Real Estate Market of the BM&F BOVESPA (The Brazilian Stock Exchange) (since 2009),
- Member of the Sao Paulo City Climate Change and Eco-economy Committee (since 2010),
- Member of the Sao Paulo City Sustainable Construction Work Group (since 2010)

#### **Aspirations for the position on UNEP-SBCI's Board**

In Brazil, I have been one of the organizers of various initiatives in sustainable construction, among which I would like to emphasize the creation of the Brazilian Council for Sustainable Construction (CBCS), a nongovernmental organization dedicated to this theme, bringing together representatives from the business sector, civil society, government and academic. I have been exercising the presidency of the council of CBCS, which has allowed me to monitor the progress and barriers in implementing initiatives in this field. Certainly this experience can serve UNEP – SBCI, and the CBCS, and is worth highlighting the ongoing partnership called SUSHI – Sustainable Social House Initiative.

My professional life in the field of real estate in Brazil allows a systemic view of constructions, since it must be understood in a broad context in which there is a need for the articulation of sector policies related to sustainable development policies. As a businessman, I have been participating in sustainable initiatives, such as the Genesis Project in São Paulo, where it was possible to demonstrate that projects that conserve and restore biodiversity, adopt energy and water conservation practices, are economically viable.

I have been participating actively in non-governmental entities, such as Greenpeace Brazil, of which I am a member of its Board. I also have been participating in public-private initiatives such as a member of Advisory Chamber of the Real Estate Market of the BM&F BOVESPA (The Brazilian Stock Exchange) (since 2009), of the Sao Paulo City Climate Change and Eco-economy Committee (since 2010), with broad participation of civil society, academic and business sector.

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## **Building and Construction Authority, Singapore**

### **Whatt Bin Choo, Executive Director – Services Singapore**

Year & Place of Birth: 1958, Singapore

Mr. Choo has a MA degree from Cambridge University, where he read Engineering, and a MPA degree from Harvard University.

He has 30 years of experience in formulating and implementing public policies, in the Singapore Administrative Service.

He had worked in the PM's Office and the Ministries of Education, Transport, Trade & Industry, Finance, Information & The Arts, National Development. He was Deputy Secretary for 12 years, in the last 2 Ministries, before he retired from the Service.

In BCA, which is a Government agency under the Ministry of National Development, Mr. Choo continues to contribute to the regulation and growth of the building and construction sector. As Executive Director, Services, he oversees BCA's Corporate Services (covering Communications, HR, Finance and Administration), and is also responsible for two aspects of Industry Development, namely the Research & Development, and Internationalisation.

As part of his work, he promotes the industry and BCA globally, and facilitates international collaborations.



#### **Aspirations for the position on UNEP-SBCI's Board**

A small tropical island in SE Asia, Singapore is known also as Garden City. Its phenomenal transformation from third world to first, from fishing village to global city, is a fascinating story well-documented.

The Singapore Government has a sustainable development blueprint to develop the country such that it can achieve both economic growth and environmental sustainability in a balanced way. In BCA (Building and Construction Authority), which is a government agency under the Ministry of National Development, we promote as well as regulate green buildings and eco-friendly construction.

We are a leading advocate of green developments in our part of Asia. New developments in Singapore are already required to meet the minimum of our green buildings standard (the BCA Green Mark). Government buildings and private ones in the new downtown area must meet the highest standard of the Green Mark. We are now implementing our second Green Building Masterplan, focused on existing buildings. Our target is to have 80% of all buildings to be certified green by 2030.

We have excellent connections with our counterparts and green buildings councils in the region. The BCA Green Mark is designed for the tropics. It has been used as a green building standard for many developments in China, India, Malaysia, Thailand, Vietnam and Middle East. We also helped China develop its mandatory green building standard for the Tianjin Eco-City.

BCA was happy to host the 2009 UNEP-SBCI meetings in Singapore as well as the Regional Roundtable for Sustainable Buildings that was an outreach effort. We would be happy to continue to lend our support to the work of the UNEP-SBCI. We offer our perspectives and experiences as

promoter and regulator of green buildings in the tropics, our ability to reach out to Governments and green buildings councils in our region. Mr CHOO, representing BCA, has extensive experience in formulating and implementing public policies, and in his current capacity as Executive Director, is best suited as BCA's nominee for a position on the SBCI Board.

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## Centre Scientifique et Technique du Bâtiment (CSTB)

### Alfonso Ponce, International Affairs Manager

France



#### EXPÉRIENCE

##### **CSTB - CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT (SINCE 01/01/05)**

###### **INTERNATIONAL AFFAIRS DIRECTOR**

My activities are focused on representing the French building research centre (CSTB) and French government policy development and in providing opportunities for colleges to develop their work overseas, for example in EU founded research contracts, partnerships, joint projects or consultancy. CSTB has close links with foreign governments and national building research agencies. I am also responsible for the adaptation of BREEAM in France.

**REALISATIONS:** Commercial and mutual recognition agreements between CSTB and the US (ICC-ES) and Chinese authorities (MOC); adaptation of the French environmental assessment method in Brazil and Lebanon. Definition of the Sustainable Building Alliance ([www.sballiance.org](http://www.sballiance.org)).

##### **SB ALLIANCE (SINCE 04/08)**

###### **SECRETARY GENERAL**

SB alliance is an international coalition of standard setting organizations, leading scheme operators and the construction and property industry whose overall goal is to develop common metrics that can be used to monitor and compare internationally ecological behaviour and sustainable performance through the different voluntary rating schemes such as LEED/BREEAM/CASBEE, etc.

##### **EUROSTAT — 2003-2004**

###### **ECONOMIC ANALYST**

Economic analysis for Eurostat. Definition of a data collection system for harmonized statistics on EU's public spending (UE25 + AELE). Definition of indicators. Coordination between national statistics agencies.

**REALISATIONS:** Co-author of the report: Public financing for culture: EUROSTAT Ref: (Doc. Estat/d5/2004-CULT-03-FIN.02-EN. Directorate D: Single Market, Employment).

#### COMPETENCES

- Deep knowledge and understanding of Europe environmental standardisation activities, research programs and policies.
- strong analysis capacity.
- Scenario planning and risk management skills.
- Multilingual (English/Spanish, French and Italian).

#### ACADEMIC QUALIFICATION

- Chaire d'économie Industrielle, laboratoire d'investigation en prospective, stratégie et organisation. Conservatoire National des Arts et Métiers (CNAM). Ecole doctorale 2005.
- Centre de recherches sur la décentralisation territoriale CRDT, University of Reims Champagne-Ardenne, faculty of Law and political science. Master degree in Administration.

## **PUBLICATIONS**

- «*Construire pour un développement durable*»: co-author with Alain Maugard former CSTB's President.
- «*UNEP-SBCI / UNEP-FI Sustainability Metrics Report*». Co-publication avec Clare Lowe (BRE).
- «*Public financing for culture*»: EUROSTAT Ref: (Doc. Estat/d5/2004-CULT-03-FIN.02-EN. Directorate D: Single Market, Employment).

## **REFERENCES**

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Personal Website: [http://web.me.com/alfonso.ponce/myprofile/Home\\_Page.html](http://web.me.com/alfonso.ponce/myprofile/Home_Page.html)

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## U.S. Green Building Council

### Richard Fedrizzi, President, CEO and Founding Chairman USA



Rick Fedrizzi, founding chairman of the U.S. Green Building Council (USGBC) in 1993, was appointed President & CEO of the rapidly growing organization in April 2004. Under his leadership, the Council has undertaken a far-reaching agenda that has tripled its membership, broadened its influence, and cemented its role as a leadership voice in the global sustainability movement.

A cornerstone of that agenda has been the evolution of the internationally recognized LEED Green Building Rating System to its next level. Known as LEED v3, this effort builds on the familiar infrastructure of LEED but introduces a comprehensive realignment and technical upgrade of all the existing rating systems; a reweighting of credits to drive achievement against the most pressing issues – CO2 reduction and improved indoor environmental quality; the introduction of bioregional credits and life cycle assessment into LEED; significant expansion of LEED online and improvements to the user experience; and the move to a global-class certification process, all to enhance speed, capacity and performance of the rating system as a catalyst for market transformation.

Even while LEED is evolving from a technical standpoint, USGBC has incorporated aspects that address the unique needs of schools, hospitals, the retail sector and large property owners who want to implement and manage LEED across a broad portfolio of buildings and building types. Special emphasis is being placed on LEED for Existing Buildings Operations and Maintenance, in recognition of the huge need to bring existing buildings up to higher levels of ongoing performance, and LEED for Neighborhood Development, a pilot effort to move LEED's benefits beyond the building footprint into the neighborhood it occupies. LEED for Homes launched in 2007, bringing the benefits of third-party certified green building to the residential sector.

To support LEED's development, more than 155,000 individuals have become LEED credentialed professionals (LEED AP). The LEED credentialing program, along with administration of the LEED green building certification process, are now under the auspices of the Green Building Certification Institute (GBCI), of which Rick is an active board member. Spun off from USGBC in 2008, this is the culmination of Rick's vision of a separate credentialing body that would continue to work closely with USGBC, but stand apart, using world renowned ISO experienced certification bodies to add critical speed and capacity to the third-party certification process, a hallmark of LEED since its inception. This significant realignment allows USGBC to more fully advance the broader educational aspects of its mission.

Rick's passion for collaboration as a driver for rapid change is evidenced in a series of far-reaching initiatives that have come to fruition under his tenure, including working with the Clinton Climate Initiative on the C40 Cities Program and the Climate Positive Development Program, the International Codes Council, AIA, ASHRAE, ASID, ASLA, BOMA and IFMA, among others, on numerous programs designed to accelerate the accomplishments of the green building movement and support the Council's vision of a sustainable built environment within a generation. He also serves on the board of the United Nations Environment Programme's (UNEP) Sustainable Buildings and Climate Initiative.

USGBC's international outreach has also been part of Rick's vision. Working closely with the Minister of Construction in China, he's assisted that country's green building efforts and the

establishment of its own green building council. He helped establish the World Green Building Council in 1999, served as its chairman from 1999-2004, and remains an active member of its Board of Directors.

Broad outreach and education are critical components of Rick's agenda for accomplishing the Council's goals. 2007 saw a call from USGBC for an increase in green building research, an effort to be seeded by more than \$2 million in matching grants from USGBC. The Council has also expanded accessibility to its robust educational program by offering additional in-person workshops and multiple on-line opportunities, including launching [www.greenbuild365.org](http://www.greenbuild365.org), a Web site that offers green building education year-round. The Council has also launched an action-oriented green schools Web site, [www.buildgreenschools.org](http://www.buildgreenschools.org), and a green homes consumer education Web site, [www.greenhomeguide.org](http://www.greenhomeguide.org).

That outreach has extended to the public sector, where Rick is a frequent speaker to the Conference of Mayors, White House and Hill staff, and other state and local municipal bodies, and an increasingly activist role for the Council in public policy initiatives at the local, state and federal level. A widely sought-after speaker, Rick gives more than 200 speeches and presentations a year, engaging in a broad dialog with diverse audiences, a perspective that makes him a valuable Advisory Council member for Planet Green, Discovery Channel's environmental network.

Developing an organizational infrastructure to support USGBC's growth and development has been a significant priority, bringing more than 18,000 organizational members, representing millions of employees, stakeholders and customers, to the Council. He's championed expansion of USGBC's nationally reaching chapter network, providing some 80 "front doors" to USGBC, and supporting the local work of some 50,000+ individuals every day.

Prior to his appointment, Rick was the founder and president of Green-Think, an environmentally focused marketing and communications consulting firm. Rick founded Green-Think after a distinguished 25-year career at United Technologies Corporation (UTC), where he served as an inhouse environmental marketing consultant. He serves on the Board of Directors of the New York Indoor Environmental Quality (NYIEQ) Center and The Environmental Project™, and is an active alumnus of LeMoyne College (BS degree) and Syracuse University (MBA degree). He received the 2008 Environmental Stewardship Award from the Queens Botanical Garden. In 2009, Rick and USGBC were recognized as visionaries in sustainability by the National Building Museum, receiving the prestigious Honor Award.

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## **World Green Building Council**

### **Jane Henley, Chief Executive Officer**

Canada

Jane is the Chief Executive Officer of the World Green Building Council and past Chief Executive Officer of the New Zealand GBC. She has a background in management, within both the commercial and non-profit sectors. Jane was a founder of the Green Building Council in New Zealand and later continued as the CEO.



She has an in depth knowledge of building rating systems, chairing technical working groups during the adaption of Green Star for NZ.

Jane was Chair of the sustainability sub-committee of NZ's Construction Industry Council and was on the Ministerial Task force for Urban Intensification. This impact on NZ's building and construction sector was rapid with over 50% of all new and refurbished office projects going through certification within 2 years of the NZGBC starting.

Internationally she has been a director of the WorldGBC for the past three years, now CEO.

Jane is very collaborative in nature and believes that it is only through collaboration that we can meet out common vision of a sustainable built environment.

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## UNEP-SBCI Advocacy Committee 2010

*Eight seats are available in the 2010 Advocacy Committee. This committee is formed with the following six nominees. Two seats are still open.*

Organization	Name	Position/Title	Seat	Page
ADEME (French Environment and Energy Management Agency)	<a href="#">Stéphane Pouffary</a>	Coordinator International projects - International Affairs Division	National government	14
Brazilian Sustainable Building Council (CBCS)	<a href="#">Fabio Feldmann</a>	Board member	Not-for-profit	15
International Federation of Consulting Engineers (FIDIC)	<a href="#">Ike van der Putte</a>	Director international environmental affairs RPS Group the Netherlands/ FIDIC representative	Not-for-profit	16
Jordan Green Building Council	<a href="#">Mohammad Asfour</a>	Chairman	Not-for-profit	17
United States Green Building Council	<a href="#">Roger Platt</a>	Senior Vice President, Global Policy and Law	Not-for-profit	18
China Merchants Property Development Co.Ltd.	<a href="#">Jianxin Hu</a>	Deputy General Manager	Private sector	19

## **ADEME (French Environment and Energy Management Agency)**

### **Stéphane Pouffary, Coordinator International projects - International Affairs Division**

National government



Since January 2010 ADEME's (French Environment and Energy Management Agency) reorganisation, Stéphane POUFFARY is Coordinator of International projects and strategic partnerships in ADEME's International Affairs Division. Between June 2006 and December 2009 he was Head of the International Expertise in Energy Management Unit within the Renewable Energies, Energy Networks and Markets Division (this division gathered also the Renewable Energies, the Demand Side Management and the Bio-Energies Departments). More generally, since 2000 he is in charge of international projects and cooperation within ADEME.

Specialised in the International co-operation, he has conducted many strategic studies on sustainable development, climate change issues (mitigation and adaptation), environment, energy policies, benchmarking, indicators, renewable energy technologies, buildings and construction sectors, market deployment and forecast and cities and territories challenges.

He has been personally, and on behalf of ADEME, a founding member of UNEP (United Nations Environment Programme) Sustainable Buildings and Climate Initiative (SBCI). He was, among others, Chairman of the Climate Change Think Tank and has been associated since the beginning to all SBCI publications and related advocacy and position papers.

For what concerns building sector, he is involved in national and European projects linked with the French Grenelle of Environnement and the EU Climate Energy package's implementation. He is also involved in partnership with European professional networks, both on renewable energies and building and construction sectors. Finally, he works in South and Eastern buildings related Mediterranean projects. Last but not least, he has published numerous report and international articles.

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## **Brazilian Sustainable Building Council**

### **Fabio Feldmann, Board member**

Not-for-profit

He is Environmentalist, Lawyer and Business Administrator. Currently, Fabio Feldmann is a member of the Deutsche Bank Climate Change Advisory Board, which has the objective to advise the Deutsche Bank management on strategic questions, business risks and other aspects of climate protection. He is also a member of the Advisory Council of “Fundo Ecomudança” (Ecochange Fund) of Itaú Bank (the biggest Brazilian private bank). Fabio Feldmann is a member of Y. Takaoka administrative board. Last but not least, Fabio Feldmann is a board member of the Brazilian Council for Sustainable Building.

He was Executive Secretary of the Paulista Forum on Climate Change and Biodiversity (2006-2010), Executive Secretary of Brazilian Forum on Climate Change and Biodiversity (1998-2003) and personal representative of the Brazilian President on Rio+10, Secretary for the Environment of the State of São Paulo (1995-1998). The consultancy worked, from 2005 until the end of 2009, for AES Tietê, AES Eletropaulo, AES Sul and AES Uruguaiana (companies that generate and distribute energy in Brazil).

He was Federal Legislator for three consecutive terms (1986 – 1998) and was the author of some parts of the Brazilian environmental legislation, as the chapter about the environment in Federal Constitution Text. Yet, he drafted the Brazilian Political Strategy for Climate Change and was one of the relaters of Convention of Biological Diversity. As the Executive Secretary of the Paulista Forum on Climate Change and Biodiversity, he was responsible for the São Paulo State Policy on Climate Change, which was sanctioned by São Paulo’s Governor in November, 2009 and assumes the global reduction target of 20% of the emissions of CO<sub>2</sub> by 2020, related to 2005. He has also participated, with Fundação Getúlio Vargas (FGV), in the process of drafting the City of São Paulo Policy on Climate Change Law.

Fabio Feldmann also provided counsel to many International NGOs such as Conservation International, The Nature Conservancy, Global Reporting Initiative (GRI), Ecological Footprint and the IAG board of the International Union for the Conservation of Nature (IUCN). He is founding member and first president of S.O.S. Mata Atlântica Foundation and winner of Global 500 prize.

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## **International Federation of Consulting Engineers (FIDIC)**

**Ike van der Putte, Director international environmental affairs RPS Group the Netherlands/ FIDIC representative Not-for-profit**

Dr Ike van der Putte is director of external relations and international environmental affairs with RPS in the Netherlands – the RPS Group is an international consultancy providing advice on the responsible development of natural resources, land and property, the management of the environment and the health and safety of people.



He is member of the Sustainable Development Task Force of the International Federation of Consulting Engineers (FIDIC) and former chairman of the environment committees of FIDIC and the European Federation of Engineering Consultancy Organisations (EFCA). He is currently the EFCA representative in CEN/TC350 “Sustainability of Construction Works”.

As a FIDIC representative, he chaired the board of UNEP/SBCI during 2008 -2009. Next to his board membership, he is currently also member of the Climate Change and Benchmarking Think Tanks of UNEP/SBCI.

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## **Jordan Green Building Council**

### **Mohammad Asfour, Chairman**

Not-for-profit

Prior to Chairing the Jordan Green Building Council, Mohammad Asfour was the Environment, Water and Energy Sector Lead at the USAID Jordan Economic Development Program (SABEQ), and an Advisor to the Board of Trustees of Princess Sumaya University for Technology and a Founder & Director of Queen Rania Center for Entrepreneurship.

Additionally, he worked on conceptualizing and developing El Hassan Science City concept. He had also served at the Jordan Investment Board and worked as a consultant for the UNDP, UNIDO, and USAID 's AMIR Program.

He served as a regional advisor to OECD' s MENA Investment Program and is currently Secretary to the board at Al Shajarah NGO.

Mohammad has continuously maintained a presence in the business world through a fourth generation family business.

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## United States Green Building Council

### Roger Platt, Senior Vice President, Global Policy and Law Not-for-profit



As Senior Vice President of Global Policy and Law, Roger Platt is responsible for managing policy and legal aspects related to the increasingly global adoption of the LEED green building certification program. Platt's role includes managing an international portfolio of policy development relationships, including the World Green Building Council Policy Committee and the United Nations Environment Programme, among others, supporting policy initiatives in countries where LEED is becoming the dominant rating system tool for delivering high performance buildings.

Platt also oversees USGBC's proactive engagement in U.S. Policy and legislation development among federal and state agencies, on the Hill, in state capitals, city halls and county commissions across the country, as well as through the alliances USGBC has forged with other NGOs and public-private initiatives. This includes advancing USGBC's views to these constituencies on the benefits of green schools, green affordable housing, sustainable communities, and mitigating the impact of buildings on climate change.

Platt joined USGBC after 15 years as senior vice president and counsel with the Real Estate Roundtable, which represents the leaders of America's top public and privately owned real estate entities on public environmental and non-profit organizations to advance responsible public policy.

Before joining the Real Estate Roundtable, he was a consultant to President Clinton's then newly formed Corporation for National and Community Service. He is a graduate of Harvard University and the University of San Francisco School of Law. He is a member of the California and District of Columbia bar associations and a member of the Urban Land Institute (ULI), where he chaired the ULI sustainable Development Council from 2001-2004, and current serves as assistant chair of the ULI Responsible Property Investment Council.

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**China Merchants Property Development Co.Ltd.**

**Hu Jianxin, Deputy General Manager**

Private sector

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## UNEP/SBCI Sustainable Buildings (SB) Index Steering Committee (SC)

Sustainable Building Alliance	Ana Cunha	Board member	Partner- Sponsor of the committee
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**Ten seats are available for the 2010 Steering Committee. The committee is formed with the following ten nominees.**

ORGANIZATION	NAME	POSITION/TITLE	SEAT	Page
Council for Built Environment, South Africa	<a href="#">Nana Mhlongo</a>	Manager Research and Policy	Research Institution	21
Canada Wood	<a href="#">Robert Beauregard</a>	Dean, Faculty of Forestry, Laval University	Not-for-Profit	22
Construction Industry and Development Board (CIDB)	<a href="#">Rodney Milford</a>	Programme manager	Not-for-Profit	23
Jordan Green Building Council	<a href="#">Abdullah Bdeir</a>	Vice Chairman	Not-for-Profit	24
Hydro Building Systems	<a href="#">Werner Jäger</a>	Head of Research and Development	Private sector	25
Residential Energy Services Network (RESNET)	<a href="#">Steven Baden</a>	Executive Director	Private Sector	26
Bayer MaterialScience	<a href="#">Manfred Rink</a>	Senior Vice President	Product Manufacturers	27
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Brazilian Sustainable Building Council (CBCS)	<a href="#">Eduardo Trani</a>	Chief in Cabinet - São Paulo State Housing Secretariat	Local Government	29
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**Council for Built Environment, South Africa**

**Nana Mhlongo, Manager Research and Policy**  
Research Institution

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## **Canada Wood**

### **Robert Beauregard, Dean, Faculty of Forestry, Laval University**

Not-for-Profit

Dr Robert Beauregard is dean of the Faculty of Forestry, Geography and Geomatics at the Université Laval, Quebec City, Canada. Between 2003 and 2008, he was holder of the Industrial Research Chair on Engineered Wood Products (CIBISA). His area of expertise is the modelling of complex systems. His interest lies in the modelling of the relationships between Sustainable Forest Management - Harvested Wood Products and Climate Change.

Author of more than one hundred scientific papers, he was research scientist with the New Zealand Forest Research Institute between 1995 and 97, from 1997 to 2000, he was with the Eastern Laboratory of Forintek Canada Corp., where he was instrumental in the creation of the Department for Value Added Wood Products.

Robert Beauregard is a member of the Canadian Institute of Forestry, of the Forest Products Society and of the Society of Wood Science and Technology (SWST). He participates since 2005 in the Team of specialists of the Timber Committee of UNECE. He will chair the seminar on the "Role of Wood Science in the Green Building Movement" at the 2010 Annual meeting of the SWST in Geneva, Switzerland in October 11-15.

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## **Construction Industry and Development Board (CIDB)**

### **Rodney Milford, Programme manager**

Not-for-Profit

Rodney Milford is currently Programme Manager; Construction Industry Performance at the Construction Industry Development Board in South Africa, and previously Director of CSIR Building and Construction Technology.

Rodney is the immediate past-President of the International Council for Research and Innovation in Building and Construction (CIB). He is a past-President of the South African Institution of Civil Engineering, and a previous member of the Board of the Construction Industry Development Board. He is a Fellow of the South African Institution of Civil Engineering, and a Fellow of the South African Academy of Engineering. He is also a member of the Board of Directors of the Green Building of South African Council.

He holds a BSc in Civil Engineering from the University of the Witwatersrand, South Africa, a DIC from the Imperial College of Science and Technology, London, an MSc from the University of London, and a PhD from the University of Illinois at Urbana-Champaign in the USA.

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## **Jordan Green Building Council**

### **Abdullah Bdeir, Vice Chairman**

Not-for-Profit

Mr. Bdeir is now the Director of Business Development at *Arab Technical Construction Co*, recently completing the local landmark “Abdoun Bridge”, Mr. Bdeir started his operations career in the USA before moving to Amman and handling the technical and operational management of the local Mitsubishi Motors dealership. After leaving to Canada to complete his Graduate studies and further broadening his operational experience by working in the biopharmaceutical manufacturing area, Mr. Bdeir returned to Amman to take on the role of Executive Manager of *Steel Buildings Co*.

In addition to his role as Vice Chairman and member of the founding board of the Jordan Green Building Council he is also heading the Technical committee of the council, Mr. Bdeir has seen his career converging to the necessity of advocating sustainability most recently speaking at the Abu Dhabi Concentrated Solar Power conference.

Mr. Bdeir is a member of the Jordan Engineers Association, the American Institute of Steel Construction, JSQ , OBS, Al-Faiha Club, the Islamic Cultural Society, McGill Alumni Club, amongst others.

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## Hydro Building Systems

### Werner Jäger, Head of Research and Development

Private sector



Date of Birth: 21. February 1966

Nationality: German

Education: Mechanical Engineer TU Munich 1991

Dr.-Ing. TU Munich 2006

Professional life: 1992 WICONA Bausysteme GmbH –  
Assistant of the Technical Director

1997 HYDRO Building Systems Technology Centre –  
Research Manager

1999 HYDRO Building Systems Technology Centre –  
Managing Director, WICONA Brand

since

2002 HYDRO Building Systems Buildtec  
Managing director  
Procurement, Technical IT and Research

Additional since

2006 HYDRO Building Systems HQ  
Chief Technology Officer  
Procurement, Technical IT, Research, Extrusion  
Technology and Supply Chain Management

Additional since

2009 HYDRO Building Systems HQ  
Head of R&D  
Procurement, Technical IT, Research,  
Brand development centres (DOMAL, TECHNAL, WICONA),  
Solar development centre,  
Extrusion Technology and Supply Chain Management

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## **RESNET**

### **Steven Baden, Executive Director**

Private Sector

Steve Baden has worked in the residential energy efficiency field for over twenty six years, including eighteen years with home energy ratings and energy mortgages on both the state and national levels, and ten years administering a state energy office.

Mr. Baden initiated the "Warm Homes for Alaskans Initiative" which received the "1993 National Award for the Most Outstanding State Housing Program" from the National Council of State Housing Agencies.

Steve was also awarded "Lifetime Achievement Awards" from the U.S. Department of Energy and RESNET.

Mr. Baden has been involved with international dialogs on harmonizing the rating of building energy performance with the International Energy Agency, the European Union, Canada, China and Japan.

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## **Bayer MaterialScience**

### **Manfred Rink, Senior Vice President**

Product Manufacturers

Manfred Rink had worked several years as developer in the automotive industry before he started his carrier at Bayer. Since 1985 Manfred Rink worked at Bayer in different positions e.g. Project Manager in Business Development and Application Services, Key Account Manager, Strategy Department, Business Manager of a JV with Bayer and GE.

His current position is Head of New Business.

The New Business department safeguards the long-term future and is thus a core element of the Bayer MaterialScience (BMS) growth and innovation strategy

New Business works very closely with Business Units of Bayer MaterialScience (BMS), acting as a connecting link throughout the entire BMS organization and reports as part of the Corporate Development Group direct to the Board of BMS.

Manfred Rink has a degree in Civil Engineering and lives in Cologne, Germany.

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## Lafarge

### Constant van Aerschot, Director

Product Manufacturers

Constant Van Aerschot is in charge of identifying global construction trends at Lafarge. His role directly shapes the company's Research & Development portfolio and its effort towards sustainable construction.



Constant co-chairs the WBCSD1 "Energy Efficiency in Buildings" project and serves on the board of the UNEP 2 "Sustainable Buildings and Climate Initiative".

Prior to joining Lafarge in 2005, Constant held corporate strategy responsibilities at Alcatel and was an Associate at Ove Arup & Partners Ltd, a global design and business consulting firm.

Constant has a Master's degree in civil engineering from the School of Polytechnics in Zürich 3, Switzerland and holds a Master of Business Administration from the Cranfield School of Management, United Kingdom.

*Lafarge is the world leader in building materials, with top-ranking positions in all its business segments: Cement, Concrete, Aggregates, and Gypsum. With 71,000 employees in over 70 countries, Lafarge posted sales of more than 17 billion euros in 2007.*

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## **Brazilian Sustainable Building Council**

### **Eduardo Trani, Chief in Cabinet - São Paulo State Housing Secretariat**

Local Government

Brazilian, 54 years-old

Architect, Urban Planner – Universidade de São Paulo (1979)

PHD –Urban and Environmental Planning – Institut d’Urbanisme de Créteil -Université de Paris XII (1985)

Chief in Cabinet – São Paulo State Housing Secretariat (since 2008)

Housing Planning Supervisor – CDHU Urban and Housing Development Company (1986-2007)

Coordinator of the São Paulo State Social Housing Sustainable Construction Policy (2010)

Coordinator of São Paulo State Environmental Planning - (1995-2000)

Universidade SENAC – São Paulo – Responsable Teacher on Environmental Manegement (1999-2010)

Universidade FAAP – São Paulo – Responsable Teacher on City Planning and Sustainable Development (2005-2010)

Member of the CONSEMA – São Paulo State Environmental Council (1995-2010)

Languages: english, french, italian, spanish; portuguese

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## **Building and Construction Authority Singapore**

### **Kian Seng Ang, Director (Research)**

National Government



Year & Place of Birth 1963, Singapore

After graduation with a diplome d'ingenieur in mechanical engineering from the Ecole Nationale Supérieure De Mecanique, Nantes (on a French Government Scholarship), Mr Ang joined Singapore's Public Works Department in 1990 as a project engineer, involved in projects such as the CTE tunnels, the National Dental Centre and the new Woodlands Checkpoint.

In 1988-90, he was seconded to the Ministry of National Development to handle policies on the construction industry. Among his key contributions, he was one of the key staff for the first Inter-Agency Committee on Energy Efficiency whose recommendations set the stage for Singapore's current policies on energy efficiency and climate change mitigation.

Mr Ang joined BCA on 1 Apr 99 and has since then managed various portfolios such as procurement, quality control and assessment, innovation development etc., playing a key role in the Technology Development Division which introduced BCA Green Mark1 Scheme in 2005 as well as regulations to control the thermal performance of residential buildings.

He is currently heading the Research Division in BCA. Besides overseeing the newly setup Centre for Sustainable Buildings & Construction (BCA's research arm), he is also responsible for the development and administration of various schemes to promote green buildings; Bonus Floor Area for Green Buildings, S\$20million Green Mark Incentive Scheme for new buildings (fully committed already), S\$100million Green Mark Scheme for Existing Buildings and \$50million MND (Ministry of National Development) Research Fund.

One key research project undertaken was the S\$11million Zero Energy Building@BCA Academy – BCA's flagship R&D project to demonstrate how we could retrofit an existing building into a super efficient building powered by clean solar energy.

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## UNEP/SBCI Sustainable Buildings (SB) Index Energy/GHG Technical Advisory Committee (TAC)

*Six seats are available for the 2010 Energy/GHG TAC. The committee is formed with the following six nominees.*

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Centre Scientifique et Technique du Bâtiment (CSTB)	<a href="#">Sylviane Nibel</a>	Energy Health Environment Department	Research Institution	32
Brazilian Sustainable Building Council	<a href="#">Roberto Lamberts</a>	Professor, Universidade Federal de Santa Catarina	Not-for-Profit	33
U.S. Natural Resources Defense Council (NRDC)	<a href="#">Kevin Mo</a>	Senior Sustainable Building Specialist, NRDC China Program	Not-for-Profit	34
Lend Lease UK	<a href="#">Janet Kidner</a>	Head of Sustainability	Private Sector	36
Council for Built Environment, South Africa	<a href="#">Zola Skosana</a>	Researcher	At-large	37
RESNET	<a href="#">Philip Fairey</a>	Deputy Director, Florida Solar Energy Center	At-large	38

**Centre Scientifique et Technique du Bâtiment (CSTB)**

**Sylviane Nibel, Energy Health Environment Department**  
Research Institution

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## **Brazilian Sustainable Building Council**

**Roberto Lamberts, Professor, Universidade Federal de Santa Catarina**

Not-for-profit

He is member of the working group on energy efficiency in buildings formed to implement the law 10295 - 2001 (Energy Efficiency Law) where he represents the Brazilian Universities.

He has cooperation with Eletrobras (since 2004) to help to establish the technical basis for the energy efficiency label for buildings. The label for commercial building was successfully implemented and officially launched last year and the label for residential buildings is under development and expected to be launched at the end of this year.

He graduate Civil Engineer from Universidade Federal do Rio Grande do Sul (1980), master's at Multidisciplinary from Universidade Federal do Rio Grande do Sul (1983) and PhD. in Civil Engineering from University of Leeds (1988). Has experience in Civil Engineering, focusing on Building Installations, acting on the following subjects: buildings, energy efficiency, thermal performance, simulation and bioclimatology.

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## **U.S. Natural Resources Defense Council (NRDC)**

### **Kevin Mo, Senior Sustainable Building Specialist, NRDC China Program**

Not-for-Profit

#### **Employment History & Research Projects**

Sept 2008-present, **Senior Sustainable Building Specialist**, Natural Resources Defense Council, New York, USA

- Green building standard
- Building energy rating and labeling
- Building solutions to climate change
- Sustainable cities and low carbon development

Sept 2002-Aug 2008, **Research Engineer** and **Program Manager**, NAHB Research Center, Maryland, USA

- The impact of U.S. building standard upgrade on building costs and energy consumption
- Technical guideline for applying for U.S. Department of Energy's National Energy Efficiency Housing Award
- National Green Building Standard
- Testing protocols for indoor air quality in residential buildings
- Comparative analysis on state building codes
- Design standard for senior housing
- Performance testing of electrochromic windows

Aug 1997-Aug 2002, **Doctoral Researcher**, Center for Building Performance, Carnegie Mellon University, Pittsburgh, USA

- Multiagent-based collaboration model for intelligent building operations
- Building investment decision-making system for high performance buildings
- Commissioning of intelligent workplace
- Occupancy survey and indoor environment analysis for the U.S. General Services Administration headquarter building
- China's Agenda 21 building energy efficiency demonstration building
- Self-awareness buildings research
- Environment impact analysis on the new U.S. Embassy building in China

Apr 1994-July 1997, **Lecturer**, School of Architecture, Tsinghua University, Beijing, China

- Taught classic building physics courses, including building acoustics, lighting and daylighting, and energy conservation
- Research on building energy efficiency

#### **Education**

Ph.D. in Building Performance, Carnegie Mellon University, 2002

Master of Engineering in Building Science, Tsinghua University, 1994

Bachelor of Engineering in Architecture, Zhejiang University, 1991

#### **Awards**

Legacy Award, U.S. Energy and Environment Building Association, July 2007

Finalist Award, Youth Author of Research Paper, SECI, August 2002

1<sup>st</sup> class Award, Building Acoustics, Beijing Acoustics Society, July 1995

2<sup>nd</sup> class Award, Science and Technology Progress, Ministry of Culture, Oct 1994

### **Affiliations**

- China Green Building Council, Committee Member
- ASHRAE Member
- AIA Associate Member
- IEEE Member

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## Lend Lease UK

### Janet Kidner, Head of Sustainability

Private Sector

Janet joined Lend Lease as Head of Sustainability in April 2008 and is responsible for implementing Lend Lease's leading-edge global sustainability aspirations into the UK business.



Lend Lease is a founding member of the UK-Green Building Council and Janet facilitated the Policy Working Group on developing a Code for Sustainable Buildings. Janet is passionate about helping to develop a common set of carbon metrics that can be utilised by the industry globally to aid measurement and reporting but also to ensure a robust baseline for emissions trading schemes and to capture the carbon value from carbon reduction projects. Janet is leading the implementation of the Carbon Reduction Commitment-Energy Efficiency Scheme (CRC) at Lend Lease in the UK.

Janet was previously an Associate Director and founding partner of dcarbon8, a carbon management company. At dcarbon8 Janet was integral to the development of the business and was responsible for running the consulting division with a strong client base in the UK property sector. Janet was at the forefront of developing their Carbon Management Standard for measuring the carbon footprint of businesses, products and services which has now been adopted by many other carbon consultancy organisations in the UK.

Prior to this, Janet was a Carbon Manager at Battle McCarthy Consulting Engineers in London. Whilst there, Janet worked with leading organisations within the built environment to embed sustainability into their corporate activities and spearheaded a methodology that now sits on the Chicago Climate Exchange to capture the carbon value of energy efficient buildings. As part of the UK Emissions Trading Scheme, the first voluntary emissions trading scheme globally, Janet helped two leading property companies, Lend Lease & Land Securities, and a group of UK universities comply with their GHG reduction commitments through carbon management and auditing services.

Janet attended the University of Southampton and holds a first class honours degree in Environmental Science. Janet also achieved a Master of Science (distinction) in Environmental Technology from Imperial College, London.

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**Council for Built Environment, South Africa**

**Zola Skosana, Researcher**

Research Institution

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## RESNET

**Philip Fairey, Deputy Director, Florida Solar Energy Center**  
Research Institution



### Education:

**M.S., City and Regional Planning**, Clemson University, 1974

**B.A., Architecture**, Clemson University, 1969

### Research Focus

Mr. Fairey has more than 30 years experience in building science research. He initiated the building science research program at FSEC in 1980 and has had primary responsibility for more than 30 major building science research contracts totaling more than \$14 million. He has served as Deputy Director of the Center since 1990. Mr. Fairey has extensive expertise in combined heat and moisture transfer in buildings; heating, ventilating and air conditioning systems; building energy efficiency; humidity and moisture control; indoor air quality (IAQ); building forensics; energy codes and standards; computer simulation and modeling; and building energy-efficiency rating systems. He conceived and developed the *Florida Building Energy-Efficiency Rating System* and led the development of *EnergyGauge*<sup>®</sup>, a user-friendly, windows-based software tool for code compliance, energy ratings and economic analysis. He also initiated and led the development of a sophisticated, finite element, combined heat and moisture transport building simulation software research tool, *FSEC 3.0*, capable of accurately simulating complex building science phenomena in detail.

Mr. Fairey is an active member of the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) where he currently serves as a voting member on SSPC 140, *Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs* and on SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*. Mr. Fairey has also served as a member of ASTM C-16, where he chaired the Task Group that developed ASTM Standard C-1158 on Radiant Barrier Systems. He also currently serves on the International Standards Organization's TC163 WG3 on *Energy Performance of Buildings*. He is the immediate past President of the national Residential Energy Services Network (RESNET) and a founding member of the Florida Green Building Coalition (FGBC).

Mr. Fairey is author or co-author of 4 books and more than 90 technical articles and has received two U.S. Patents. He received the U.S. Department of Energy's National Award for Innovation in Research in 1984 and the University of Central Florida's highest award for research in 1987. He has testified before the U.S. Congress and the Florida Legislature and has been qualified by the Courts as a Building Science Expert.

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