

# Revista Engenharia de Custos

 **IBEC**  
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INSTITUTO BRASILEIRO DE ENGENHARIA DE CUSTOS  
FUNDADO EM 1978

Special Edition  
37 YEARS



## IBEC Commemorates its 37th anniversary and Cost Engineering Day 2015

### This Year's Award Winners:



André Mendes  
(TCU)



José Tadeu  
(CONFEA)



Marco Antônio Amigo  
(CREA)



Jorge Spitalnik  
(FMOI)



Luciano Barreto  
(ASEOPP)

### Representatives of International Entities:



Honduras



Honduras



Portugal



Colombia



Bolivia



Argentina



## Revista Engenharia de Custos

Distributed free of charge

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# IBEC Social




IBEC Social is IBEC's socio-environmental responsibility program that benefits youth and adults, offering classes for school reinforcement, computer courses and cultural lessons and also makes donations of basic food goods. The IBEC Social Chorus is one of the initiatives of this program. This year, the Chorus illuminated the ceremony singing "Duas Cirandas," "Oração da Paz de São Francisco" and "Siyahamba."

Leading this important work is a staff coordinated by Julia Dias and composed of the teachers Tiago Andrade, Walace Araujo, Danielle Castro, Mirian Perrone, Rodrigo Miguez, Soraya Pinho and Simone Santos; by Chorus Master Ranieri Tiago, educator Cristina Moggi, administrative assistants Danielle Passos and Valéria Miguez and by the project social worker Silvia Passos.

This year, IBEC paid homage to a wonderful social initiative: the Hotel and Spa of Madness, a project of doctor and actor Vitor Pordeus. The program is conducted at the Instituto Municipal Nise da Silveira, in Engenho de Dentro, and its objective is to integrate people with mental disturban-

ces to a healthy life in society.

Because of this initiative, Vitor Pordeus was one of the people honored at the ceremony. He was not able to appear at the event because he was in Canada, earning a doctorate in cultural psychiatry. Nevertheless, some of the patients of the Hotel of Madness made a beautiful theater presentation at the end of the ceremony.

Moved by the presentation, IBEC President Paulo Dias showed his appreciation to doctor Vitor Pordeus and his work, affirming that he would personally present the homage when Pordeus returns from Canada. "Any initiative to benefit or alleviate the suffering of the mentally ill inspires me to participate. My emotion for this project is so strong that we conducted a cultural workshop about treating mind and body, every Monday, from 5 pm to 8pm, at the office of the IBEC Social program in Lins de Vasconcelos. This initiative is in conjunction with the Hotel of Madness program and is open to all those who suffer from stress, anxiety or are depressed," concluded Paulo Dias. 



IBEC Social Teacher of the Year Mirian Perrone Cravo



The patients of the Hotel of Madness made a theater presentation



Vitor Pordeus Picture



IBEC Social Chorus


# IBEC Commemorates 37th anniversary and Cost Engineer Day 2015



Opening Session of the Ceremony

IBEC – the Brazilian Institute of Cost Engineering commemorated its 37th anniversary on the night of May 19, at the Engineers Club. On November 9, 2006 Law no. 4.905 was enacted in Rio de Janeiro State, which created Cost Engineer Day, which is celebrated each year on May 23. The law was drafted by state deputies Luiz Paulo Corrêa da Rocha and Paulo Ramos. Since 2007, at the annual Cost Engineer Day ceremonies, IBEC pays homage to professionals who contribute to a better country and world.

This year, the theme of the event was the 10th World Congress on Cost Engineering and Project Management, which will be held from October 10 -12 in Rio de Janeiro. The Congress is promoted by IBEC in association with the International Cost Engineering Council (ICEC) which is an international, non-profit organization founded in 1976 that unites the national cost engineering associations from nearly sixty countries. IBEC is a member of ICEC since 1981.

Professionals who want to present a work at the Congress can send an abstract for approval to the link [www.icec2016.com](http://www.icec2016.com). More information about the Congress is available at this site. 



**10<sup>th</sup> ICEC 2016**  
International Cost Engineering  
Council World Congress



IBEC International Vice-President, José Chacon, and IBEC President Paulo Dias



# International Highlights of the Year



The representatives of the national engineering entities of Latin America and Portugal receiving their awards

This year, the IBEC ceremonies were honored by illustrious guests from abroad who were thanked for their important action in support of engineering. They include representatives from entities from Argentina, Bolivia, Colombia, Honduras and Portugal, who also signed technical-scientific cooperation agreements with IBEC.

The professionals honored from these countries were the President of the Professional Council of Chemical Engineering of Argentina (CPIQ) Alejandro Perez; the President of the Colombian Society of Engineers (SCI) Diana Espinosa; the president elect of UPADI and the former president

of the Engineers Society of Bolivia (SIB) Maria Teresa Zapata; the President of the College of Civil Engineers of Honduras (CICH) Claudia Zúniga; the coordinator of the Association of Cost Engineers of Honduras (AICH) José Ramón Cálix; and prof. Hipólito Sousa of the department of civil engineering of the Faculty of Engineering of the University of Porto (FEUP), in Portugal, who received the award granted to his institution.

The president elect of the World Federation of Organization of Engineers (FMOI), Jorge Spitalnik, was also honored as a Highlight of the Year. ⚙️



From left to right: Maria Teresa Zapata (Bolívia), Hipólito Sousa (Portugal), Diana Espinosa (Colômbia), José Calix (Honduras), Claudia Zúniga (Honduras), Alejandro Perez (Argentina) and Jorge Spitalnik



Professor Dr. Hipólito Sousa was received the homage granted to FEUP and presented by ICEC Technical Director, Angelo Valle



President of SCI (Colombia) Diana Espinosa, receiving her award



UPADI President-elect Maria Teresa Zapata (Bolivia), receiving her award



CICH President (Honduras), Claudia Zúniga, receiving her award



AICH coordinator (Honduras), José Calix, receiving his award



President-elect of FMOI, Jorge Spítanki, receiving his award



President of CPIQ (Argentina), Alejandro Vargas, receiving his award

## IBEC and FEUP visit work of the Brazilian Navy's Nuclear Propelled Submarine Development Program (PROSUB)




The Construction Inspection Group of Prosub with the visitors from Feup and IBEC

IBEC Academic Vice President Fernando Camargo accompanied Prof. Dr. Hipólito Sousa and the Alumni Ambassador Rafael Negretti on a visit to the Nuclear Propelled Submarine Development Program

(PROSUB). Administered by the specialized Directory for Marine Materials, the Industrial and Naval Complex is located in Itaguaí, Rio de Janeiro and is the fruit of an international agreement with the French government, which

aims to transfer technology that contributes to submarine construction.

The Brazilian Navy's Civil Construction Directory (DOCM) has a specialized consulting partnership with IBEC and conducts cost management for PROSUB. 



The Program for the Development of Nuclear Propelled Submarines (PROSUB)





## Interview

### Hipólito Sousa

*Director of the Laboratory of Systems and Components of FEUP – the College of Engineering of the University of Porto (Portugal)*



The agreement between FEUP and IBEC has been drafted and will be definitively signed in September

**Revista Engenharia de Custos:** Can you speak about FEUP and its work at the school of engineering?

**Hipólito Sousa:** Hipolito Sousa: FEUP is a school of reference in Portugal and throughout Europe. Going back to its roots in university education in the eighteenth century, FEUP was founded at the Polytechnical School of Porto, which was created in the 1st half of the nineteenth century. It later became the School of Engineering, integrated to the University of Porto. Over many decades, FEUP educated generations of engineers and leaders of Portuguese society.

Civil Engineering was one of the fields in which FEUP distinguished itself

and one of the scientific areas at the university with the strongest foundations. Independent international rankings place FEUP's Department of Civil Engineering among the 100 best in the world because of its excellent performance, particularly in research and the quality of its teaching. It educates engineers with five years of university education (with an integrated master's program) and specific graduate education and doctoral programs. FEUP provides its students excellent conditions for study and research with laboratories and other modern facilities.

I am personally affiliated to the Department of Civil Engineering where I have been a professor for more than 30 years, and am currently responsible for courses in the fields of Management of Construction and Technologies. In various frameworks and circumstances, I have sought to help FEUP in administrative and management functions, and in the coordination of a research group.

**Revista Engenharia de Custos:** What is the importance of this agreement that is being launched between FEUP and IBEC? What are your expectations?

**Hipólito Sousa:** The agreement between FEUP and IBEC is an opportunity to approximate the two countries in a technical domain that is very important to engineering, society and the evaluation of costs. As is known, engineering resolves many of our daily problems, frequently without people realizing it. It is involved in the water that comes from our taps, the road that brings us together, the hospital that cares for us, or the information technologies that allow us to communicate. Behind all of this there is an enormous quantity of work and effort of a technological nature and of engineers.

At this time, one of the main challenges that modern societies face is to take to most of the world's populations many of the facilities that are already available to some. This effort will require public decision makers to efficiently manage scarce resources. To do so, the capacity of engineers to evaluate the costs of the options in a technical and professional manner and help make public decisions is essential. The complementarity of knowledge of our institutions and of our experiences (if properly shared) can help professionals from the two countries in a quite effective manner. At FEUP we have high expectations associated to this agreement.

**Revista Engenharia de Custos:** In your opinion, what is the importance of the international meeting held on May 18 for engineering in the countries involved?

**Hipólito Sousa:** This meeting that brought together specialists from IBEC and other Latin American countries was a unique opportunity for us to deepen our knowledge about the practices in the different countries and the way that they address Cost Engineering and place construction projects up for bid. The information about ICEC was also interesting, particularly that about the World Congress, which will be held in Rio de Janeiro in 2016 and at which we plan to actively participate.

The international meeting was also an opportunity to perceive how IBEC is valuable to Brazil, whether because of its role as a recognized and respected agent for the establishment of costs in the construction sector, or at the level of graduate education and the certification of professionals. The role that IBEC can perform in Latin America also became clear to us. This experience was very interesting. Although we are working with data bases of pro-

jects and normalized costs, Portugal does not have an entity similar to IBEC that is an institution accepted by various agents as an arbitrator of eventual differences over prices.

**Revista Engenharia de Custos:** FEUP was one of the institutions honored during the ceremony to commemorate Cost Engineer Day 2015. What does this honor mean to you?

**Hipólito Sousa:** The honor that IBEC bestowed on FEUP on Cost Engineering Day 2015 was a strong distinction for which our institution is quite proud.

We know that FEUP has had a notable history of growing affirmation, as a school that is recognized nationally and internationally, however, we feel particularly tou-

ched when this recognition comes from a distant country, although one with which we have a close identity. Personally, I feel dually satisfied, both for representing FEUP and for the command of knowledge corresponding to the area where I have worked for a long time.

The ceremony was a very special moment, it was both formal and familiar, and IBEC's prestige and presence in Brazilian society were visible.

I would like to make a final reference to the role of our alumni ambassadors, particularly to our ambassador in Brazil, Rafael Negretti, for the effort, dedication and enthusiasm that he places in the dissemination of the image of FEUP in Brazil, which once again was notable. ⚙️



FEUP Alumni Ambassador Rafael Negretti, IBEC President Paulo Dias, FEUP Professor Hipólito Sousa, and IBEC administrative vice president Fernando Paes Leme

## Presente em 13 Estados da Federação, o IBEC tem como principais atividades: Cursos de MBA e Pós-Graduação, Cursos de Capacitação e Consultoria.

### Conhecimento

Cursos de Extensão  
Pós-graduação  
Livros  
Orientações Técnicas

### Consultoria Especializada

Estimativa de Custos  
Preços de Referência  
Gerenciamento de Construções  
Gestão de Custos

### Arbitragem de Preços Contratuais

#### Eventos

Dia do Engenheiro de Custos  
Fórum de Custos de Obras Públicas  
Palestras Técnicas  
Congresso Mundial de Engenharia de Custos e Gerenciamento de Projetos

#### Entre outros

**Missão:** Promover o conhecimento e reconhecimento da engenharia de custos no país.

**Visão:** Através da promoção da engenharia de custos, garantir o preço socialmente justo.

**Valores:** Ética, respeito, transparência, responsabilidade social, sustentabilidade.

- Rio de Janeiro
- Paraíba
- Ceará
- Bahia
- São Paulo
- Sergipe
- Maranhão
- Paraná
- Minas Gerais
- Mato Grosso
- Distrito Federal
- Goiás
- Espírito Santo





## Interview

**José Ramón Cálix**

*Coordinator of the Cost Engineers Association of Honduras*



Agreement signed between CICH and IBEC

**Revista Engenharia de Custos:** Engineer Calix, can you speak a little about the Cost Engineers Association of Honduras (AICH) and your work in this organization?

**José Cálix:** The Cost Engineers Association of Honduras was born in 2013, with the visit of engineers Paulo Dias and José Chacon de Assis (IBEC's president and vice president) and their work staff, who kindly came to Honduras as exhibitors proposed by the Council of Civil Engineers of Honduras (CICH), to exchange experiences and knowledge at the Expo Construye 2013, during the conference about the issue of More Fair Construction Costs For Everyone.

IBEC exceeded the expectations of the civil engineers, because they invited us to participate in congresses organized by ICEC at a global level and held four conferences at the National Autonomous University of Honduras (UNAH) for engineers who work on infrastructure projects at UNAH; then, at the Northwestern Chapter of CICH, located

in San Pedro Sula, an industrial city in Honduras, where they received more than 85 engineers; in Tegucigalpa, at which more than 175 civil engineers participated; and the fourth conference at the main hall of the Expos Cosntruye, at which participated building companies affiliated to the Honduras Construction Industry Chamber (CHICO), the Honduran Chamber of Consulting Companies (CHEC) and personnel from the Conta do Milenio of Honduras and from the public and private construction sectors, when the initiative was born to organize the Honduras Cost Engineering Association, which now has 163 registered members, as an association that belongs to the Council of Civil Engineers of Honduras.

At this time, we are conducting national courses and conferences about issues such as the calculation of formulas for adjusting costs for inflation in the construction industry, and there is a large number of engineers interested in participating in the 10th Global Cost Engineering Congress to be held in Rio de Janeiro in October 2016. The association signed a cooperation agreement and scientific exchange with IBEC. In addition, we are interested in being part of the group of countries that are part of the International Cost Engineering Council (ICEC).

**Revista Engenharia de Custos:** What is the importance of this agreement that is being born between IBEC and AICH? What are your expectations?

**José Cálix:** The importance is that we can now exchange professional experiences and knowledge about scientific research among engineers who work on the theme of project management and cost management. We can also conduct conferences with professionals from both countries and from universities and institutions such as IBEC to actively participate in training, education and certification courses for engineers and specialists, which we need very much in our country.

**Revista Engenharia de Custos:** What do you see as the importance of the International Meeting, held on

**May 18, for engineering in the countries involved?**

**José Cálix:** The International Meeting marked the beginning for cost engineering as a science in the countries of Latin America, such as Argentina, Bolivia, Colombia, Brazil and Honduras, and improved their friendly relations. All of us who participated agree about the importance that engineering specialized in costs has as a science, to find the solution to problems, particularly in these times of global economic crises that these countries are experiencing. I see this meeting as an opportunity for us to propose changes through engineering that can provide a real benefit for society; without compromising the resources of future generations.

**Revista Engenharia de Custos:** You were one of the people honored at the ceremony on Cost Engineering Day 2015 on May 18. How did you receive the homage?

**José Cálix:** For me it was a true honor to receive this distinction as a Highlight of the Year, and I received it with great pride in the name of all the cost engineers of Honduras. I believe that the homage also commits me to continuing organizing, planning and realizing more opportunities for the complete education of the professionals of my country who want to efficiently serve society through CICH.

I very much appreciated the ceremony organized by IBEC, above all because of the work of notable engineers who have contributed to the recognition of cost engineering. In particular, I can highlight the important work of the IBEC staff, led by Engineer Paulo Dias, for their many successes and contributions to cost engineering in Brazil and now also in Latin America. 🌀





## Interview

### Claudia Zúniga

*President of the Council of Civil Engineers of Honduras – CICH*

**Revista Engenharia de Custos:** Engineer Claudia, can you speak a bit about the Council of Civil Engineers of Honduras (CICH) and your work at this entity?

**Claudia Zúniga:** Our council is a non-profit institution with a trajectory of more than 50 years. We have a commitment to our country, to specialized development and growth, to engineers, and to serving Honduran society with a vast field of action that dignifies our profession, facing the challenge of creating, maintaining and operating infrastructure with a focus on sustainability.

I began my administration as President of the CICH in August 2013 and will conclude in August of this year. Our board is composed of nine people and together we have made many changes to benefit our members. These fruits will certainly be seen in the near future. The most important changes concentrate on administrative reorganization and internal cleansing, including the relinquishment from many legal positions in which we were involved in previous administrations, and which had been constantly increasing.

**Revista Engenharia de Custos:** What do you see as the

importance of the International Meeting held on May 18 for engineering in the countries involved?

**Claudia Zúniga:** In general, cost engineering is of extreme importance to our profession, particularly because, to the degree that we have correct information, we are led to make decisions that are right for the projects that we are executing.

Therefore, by meeting with cost engineers from other countries, we can share experiences and learn from their success and they also learn from us. These meetings allow us to learn about advances engineering has had in issues of costs, changes in regulations and laws that regulate budgeting for construction, and their importance in the operation of engineering companies, or in independent professional activities.

It is also at these meetings that we learn about advances in control systems, and new tools for supervision and administration as well as financial products that are within the reach of engineering professionals.

**Revista Engenharia de Custos:** You were one of the people honored during the ceremony on Cost Engineering Day 2015 on May 19. What did this homage mean to you?

**Claudia Zúniga:** It was very satisfying and a great joy to receive such an important honor. I am extremely appreciative of the honor received. In addition, I feel highly committed to seeing that the goals that we proposed for the agreement between CICH and IBEC are successful.

**Revista Engenharia de Custos:** What is the importance of this agreement that is being launched between IBEC and CICH? What are your expectations?

**Claudia Zúniga:** For us, as the Council of Engineers of Honduras, the signing of the agreement is highly important, given that it will allow our professionals to potentialize their capacities, through the implementation of support and technical assistance, training and promotion, the encouragement for ethics and transparency and the exchange of information.

Most of our engineers will be more aware of the importance of the management of construction projects (cost engineering). Moreover, there will gradually be more professionals aware of this importance. The opportunity for specialization in our field is still quite limited, and I hope that with the signing of this agreement these capacities will be strengthened. ⚙️



IBEC President Paulo Dias and IBEC Vice President José Chacon de Assis, receiving the award issued by the Council of Engineers of Honduras



## Interview

**Alejandro Perez Vargas**

*President of the Professional Council of Chemical Engineering (Argentina)*



Agreement signed between CPIQ and IBEC

**Revista Engenharia de Custos:** Engineer Alejandro, can you speak a bit about the Professional Council of Chemical Engineering (CPIQ) and your work in this organization?

**Alejandro Vargas:** The Professional Council of Chemical Engineering (CPIQ) is an agency created by Argentine law to regulate and strive for public safety, establishing a mark in the country's regulatory structure. The CPIQ is committed to the continued education of its registered members and to addressing their concerns.

**Revista Engenharia de Custos:** What is the importance of the International Meeting held May 18 for engineering in the countries involved?

**Alejandro Vargas:** The meeting

on May 18 was a very important "initial kick-off" for the development of cost engineering. This action had immeasurable value and the particular characteristic of being accompanied by a unique institution in the field of costs such as IBEC. This accompaniment provided the valuable experience and capacity of this internationally recognized entity.

**Revista Engenharia de Custos:** You were one of the people honored during the ceremonies on Cost Engineering Day 2015 May 19. What did this award mean to you?

**Alejandro Vargas:** At this admirable ceremony held to recognize the importance conferred by the assistance from the prestigious engineers and the notable institutions in which they participate, it was an undeniable satisfaction to receive the award granted to me by IBEC and by engineers Paulo Dias and José Chacon de Assis, to whom I am immensely grateful for

the attention received.

**Revista Engenharia de Custos:** What is the importance of this agreement that is being launched between IBEC and CPIQ? What are your expectations?

**Alejandro Vargas:** As I have mentioned, I understand that the agreement signed between the two entities is of significant importance, given that it foresees the realization of activity by an entity with the same characteristics as it has in Argentina, thus contributing with IBEC to strengthening the actions of cost engineers in the Americas and supporting our members at all levels, in addition to conducting joint and coordinated activities in all areas of collaboration and understanding. ⚙️



IBEC President Paulo Dias and CPIQ President Alejandro Vargas



# The Highlights of the Year



José Tadeu da Silva President of Confea and of Upadi, receiving his award



President of CREA-PI Paulo Roberto de Oliveira, receiving his award

In Brazil, professionals who stand out for their contributions to the country's development received a special homage. Among those awarded is the President of the Federal Council of Engineering and Agronomy (Confea) José Tadeu da Silva – who is also president of the Brazilian Federation of Associations of Engineers, Agronomists and Architects (Febrae) and of the Pan American Union of Associations of Engineers (Upadi).

The presidents of the Regional Councils of Engineering and Agronomy (CREASs) were also honored. The

CREA presidents who attended were: Arício Resende Silva (CREA-SE), Evandro de Alencar Carvalho (CREA-PE), Flávio Correia de Souza (CREA-A-DF), Francisco Antônio da Silva de Almeida (CREA-GO), Helder Carnielli (CREA-ES), Jobson Nogueira de Andrade (CREA-MG), Joel Kruger (CREA-PR), Juarez Samaniego (CREA-MT), Nélío Alzenir Alencar (CREA-RO), Paulo Roberto Ferreira de Oliveira (CREA-PI), Reynaldo Rocha Barros (CREA-RJ), Victor Cesar da Frota Pinto (CREA-CE) and the Coordinator of the College of Presidents of CREA, Marco Antônio Amigo (CREA-BA).



IBEC International Vice President José Chacon de Assis, with CREA-PR President Joel Kruger, and CREA-MT President Juarez Samaniego



Coordinator of the Council of CREA Presidents and President of CREA Bahia, Marco Antônio Amigo, receiving his award



President of CREA-CE, Victor Cesar da Frota Pinto, receiving his award from IBEC international Vice President José Chacon de Assis



President of CREA-ES Helder Carnielli, receiving his award



At the center, President of CREA-RJ Reynaldo Rocha Barros



From left to right, President of CREA-DF Flavio Correia, President of CREA-A-GO Francisco Antônio de Almeida and IBEC Vice President José Chacon de Assis



From left to right, IBEC Academic Vice President Fernando Camargo, CREA-SE President Aricio Resende and President of CREA-PE Evandro de Alencar



President of CREA-MG Jobson Andrade, receiving his award from IBEC institutional relations director José Roberto Leiros



At the center, President of CREA-RO Néilo ALZENIR Alencar, receiving his award

IBEC also awarded, as a "Highlight of the Year," Mato Grosso Senator Wellington Fagundes, Coordinator of the Parliamentary Front for Logistics and Storage of the National Congress, who sent his representative, Ricardo Lima de Carvalho. IBEC also awarded federal deputy from Rio de Janeiro Altineu Cortes, who could not participate and state deputy from Mato Grosso Silvano Amaral.



CREA presidents receiving their awards

The Administrative Director of the Fundação Trompowsky Coronel Antônio Carlos Guelfi was also one of those honored. As well as ICEC Vice President Angelo Valle, and president of the Public Olympic Authority (APO), Marcelo Pedroso, who sent his representative Albano Soares Martins Júnior, Assistant to the Executive Directory of APO.



Receiving the award for Mato Grosso Senator Wellington Fagundes, Coordinator of the Parliamentary Front for Logistics and Storage of the national congress, Mr. Ricardo Lima



State Deputy of Mato Grosso Silvano Amaral, receiving his award



This year, IBEC recognized institutions that battled to support engineering. They include the Institute of Engineering, whose President Camil Eid received the award, and the Engineering Club, whose award was issued to its president Francis Bogossian.

The AACE International (The Association for the Development of Cost Engineering), was also one of the institutions awarded. Its President Martin Darley was not able to attend the event due to a business trip, but he sent the Latin American director of AACE, Aldo Mattos, to receive the award. ⚙️



In name of the President of the Public Olympic Authority (APO) Marcelo Pedroso, the Assistant to the Executive Director of APO, Albano Soares Martins Júnior, received the award



From left to right, IBEC President Paulo Dias, IBEC Director of Institutional Relations José Roberto Leiros, and Administrative Director of the Fundação Trompowsky, Coronel Antônio Carlos Guelfi



ICEC Technical Vice-President Angelo Valle, receiving his award



The Latin American Director of AACE, Aldo Mattos, receiving the award granted to the institution



The President of the Institute of Engineering (SP), Camil Eid, receiving his award



President of the Engineering Club (RJ), Francis Bogossian, receiving his award

# IBEC pays homage to Important Initiatives



President of the Waters of the Earth Institute, Odair dos Santos Junior, receiving his award

**O**The entire world is facing grave environmental problems due to global warming and Brazil is experiencing one of its worst water shortages. For this reason, the United Nations Organization launched the United Nations Decade of Sustainable Energy for All 2014- 2024.” Here in Brazil, the main supporter of this initiative is the Waters of the Earth Institute, a non-governmental organization dedicated to the environment.


For this worthwhile initiative, the President of the Waters of the Earth Institute Odair dos Santos Junior received a special award. In addition, during the ceremony, an agreement was signed between the Institute and IBEC.

Concerned with environmental issues and aware of its role in society, IBEC created the Zero Carbon socio-environmental responsibility program to promote the neu-



National Coordinator of the Specialized Chambers of Forest Engineering of CONFEA, Forestry Eng. Glauber Pinheiro, receiving his award

tralization of two tons of carbon dioxide per month, by planting trees native to the Atlantic Forest. The work is led by Forestry Engineer Glauber Pinheiro who was honored for his important actions. Glauber is also Vice President of the Brazilian Society of Forest

Engineers (SBEF), which coordinates the Specialized Forest Engineering Chamber of CREA-RJ and the National Coordinator of the Specialized Chambers of Forest Engineering of CONFEA. 



# Highlights of the Year from the Brazilian Navy



From left to right, IBEC President Paulo Dias, Admiral Álvaro Luiz Pinto, Admiral Newton Costa Neto, Admiral Luis Hecht, IBEC Vice President, José Chacon de Assis and Admiral Liseo Zampronio

IBEC also recognized some admirals of the Brazilian Navy for their worthwhile actions. In addition to Luiz Guilherme Sá de Gusmão (who was not able to attend the event because of a previous commitment), special awards were issued to Admiral Álvaro

Luiz de Souza Alves Pinto, Admiral Newton de Almeida Costa Neto, Admiral Ljuis Antônio Rodrigues Hecht and Admiral Liseo Zampronio. ⚙️

## IBEC Collaborators



Holding their awards are Rafael Santos, "Graduate Student of the Year," and Inaiara Ferreira, Teacher of the Year



From left to right, IBEC institutional relations director José Roberto Leiros and award recipient Carlos Antônio Fernandes, IBEC Director



From left to right, IBEC Academic Vice President, Fernando Camargo, Vice President of CREA-ES José do Amaral Filho, IBEC President Paulo Dias and José Maria Cola dos Santos



Collaborator of the Year Neildes de Oliveira

IBEC also awarded collaborators who stood out within the institution. They include Teacher of the Year Inaiara de Barcelos Ferreira (SP), IBEC Social Teacher of the Year and Graduate Student of the Year Rafael Santos (MT). IBEC also paid homage to IBEC director Carlos Antônio Fernandes and to collaborators from Espírito Santo State, José Maria Cola dos Santos and José do Amaral Filho. ⚙️

# International Meeting



Participants in the International Meeting



CPIQ (Argentina) President making one of the presentations at the meeting

Since 2014, as part of the program for its anniversary and Cost Engineering Day, IBEC held the International Meeting, a meeting of professionals from Brazil and abroad to discuss the situation of Cost Engineering throughout the world.

This year, the meeting was enriched by the presence and contributions of engineers Alejandro Perez, president of CPIQ (Argentina); Diana Espinosa, president of SCI (Colombia); Maria Teresa Zapata, president of SIB (Bolivia); Claudia Zúniga, president of CICH (Honduras); José Ramón Cálix, coordinator of AICH (Honduras); and Hipólito Sousa, prof. Dr. of FEUP (Portugal). Everyone presented the situation of engineering in their countries and spoke about future expectations for the sector.

The International Meeting also had active participation from FMOI President Jorge Spitalnik, Financial Director of IPMA Brazil Diogo Mota and CREA Presidents Paulo Roberto de Oliveira (CREA-PI), Flavio Correia (CREA-DF) and Nélio Alzenir Alencar (CREA-RO). ⚙️



IBEC President Paulo Dias, speaking at the meeting



President of the Colombian Society of Engineers, Diana Espinosa, signed an agreement with IBEC



President of the Engineers Society of Bolivia Maco Antonio Fuentes, with the ex-president of SIB and UPADI President-elect Maria Teresa Zapata signing an agreement with IBEC

## UPADI Assembly in Roatan, Bay Islands Honduras, Agreements signed with entities from Colombia and Bolivia

In July 2014 IBEC President Paulo Dias was named ICEC director for the Americas (Region 1), for his strong presence in the sector of cost engineering in Brazil and on the American continent. ICEC (the International Cost Engineering Council), is an organization created in 1976 that joins organizations from more than 60 countries dedicated to this field of engineering and project management. IBEC is a member of ICEC since 1981. Region 1 includes the countries through North, Central and South America and Paulo Dias has coordinated activities with the engineering entities from all of the Americas, participating actively in congresses in Honduras, Colombia, Bolivia and Argentina.

From July 1-3, 2015 IBEC participated at the Annual Assembly of the Pan American Union of Engineer Associations (UPADI) held in Roatan, Bay Islands Honduras. As ICEC Director, the main concern of Eng. Paulo Dias was to affiliate new entities to ICEC. At this meeting, technical-scientific cooperation agreements were signed between IBEC and the Colombian Society of Engineers (SCI) and also with the Bolivian Society of Engineers (SIB). ICEC also presented its proposed agreement to entities from Cuba, Paraguay, Puerto Rico, Panama, Peru and Costa Rica. The representative of the engineering entity from Spain was also contacted. ⚙️



# Personality of the Year



At the center, manager of Construtora Celi in Rio de Janeiro, Elizabeth Chamarelli, representing Eng. Luciano Franco Barreto, "Personality of the Year"

**T**he Personality of the Year of 2015 was the President of the Sergipe Association of Contractors of Public and Private Works (ASE-OPP) and founder of one of the most renowned builders in Northeastern Brazil, Construtora Celi. Luciano Franco Barreto has stood out for his important career in the field of Engineering. As president of ASEOPP, Luciano has been dedicated to serving small and large companies working on public and private construction in the state.

For his contribution in the field of engineering and for his important work for a better country, Luciano Barreto is the "Personality of the Year." He was not able to appear, but he sent the manager of Construtora Celi in Rio de Janeiro, Elizabeth Chamarelli, to receive his award. ⚙️

## Cost Engineer of the Year award goes to TCU Auditor André Luiz Mendes



Holding the plack is "Cost Engineer of the Year," André Luiz Mendes, TCU Auditor

**T**he Cost Engineer of the Year for 2015 was auditor of the Federal Budget Court (TCU), André Luiz Mendes. With a bachelor's degree in civil engineering from the University of Brasília, graduate studies at UnB and a specialization in construction auditing, André Mendes has stood out for his work at the TCU, where he held the post of Secretary of Construction Inspection from 2007-2012.

His contribution to Cost Engineering goes beyond this. André Mendes gives lectures and courses related to public works since 1997, for the Institute Serzedello Corrêa, the

Fundação Getulio Vargas and various other institutions.

For this reason, due to his important performance in the field of Cost Engineering, and because he is always working actively in support of the development and dissemination of knowledge in this field in Brazil, André Mendes was awarded as the Cost Engineer of the Year.

Cost Engineer Day was created by state deputies Luiz Paulo Corrêa da Rocha and Paulo Ramos, according to Law no. 4.905 of 2006. Since 2007, IBEC has paid homage to people who stand out in this field of engineering. ⚙️

# IBEC Certifier



Professionals certified for Distinguished Knowledge in Cost Engineering

During the ceremony, the first International Certifications were awarded to Cost Engineering Professionals for Distinguished Knowledge. In April of this year the IBEC Certifier was accredited by the International Cost Engineering Council (ICEC), and IBEC began to conduct programs for certification of senior cost engineers, junior cost engineers and technical specialists in budgets and cost control. For more information visit the site [www.ibeccertificador.org.br](http://www.ibeccertificador.org.br).

The coordinator of the IBEC Certifier program José Chacon de Assis, and consultant Carmen Evangelho had an important role in this victory towards which IBEC had worked for many years. For this reason Carmen was awarded as a "Standout of the Year".



IBEC Certifier consultant Carmen Evangelho, receiving her award from Certification program coordinator José Chacon de Assis



## Feijoada Luncheon for Foreigners



On May 17, 2015, IBEC hosted the foreigners and CREA presidents who were awarded on Cost Engineering Day at the beach club of the Fluminense Association of Engineers and Architects (AFEA), in Itacoatiara-Niterói. A typical Brazilian feijoada luncheon was carefully prepared and served at poolside at one of Brazil's most beautiful beaches.

## Certified for Distinguished Knowledge in Cost Engineering – May 2015

Miguel Stabile  
Paulo Roberto Vilela Dias  
José Chacon de Assis  
Monica Fonseca M. Spranger  
Sergio Luiz Conforto  
Otavio Pereira Nogueira  
Guilherme Vicente Fernandes  
André Luiz Mendes  
Fernando José da Rocha Camargo  
José Marques Ferreira Vicente  
Inaiara de B. F. Oliveira

Marcio Soares da Rocha  
Rosângela Castanheira  
Francisco de Paula Coelho Santos  
Ricardo de Lima Delarue  
Osmar Lopes Sobrinho  
Maçahico Tisaka  
Felipe André Isore Gutierrez  
Francisco das Chagas Figueiredo  
Aldo Dórea Mattos  
Adalberto Ermida Franco  
Wilton de Alvarenga V. Baptista  
Fernando Paes Leme





# 10<sup>th</sup> ICEC2016

Cost Engineering, Quantity Surveying  
& Project Management  
World Congress

**October 09-12, 2016**

## Cost Engineering, Quantity Surveying and Project Management World Congress

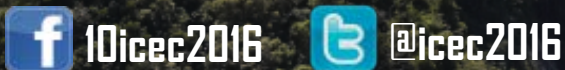
The 10th Cost Engineering, Quantity Surveying and Project Management World Congress 2016 hosted by the Brazilian Institute of Cost Engineering in association with the International Cost Engineering Council (ICEC) will promote the exchange of information and the science of costs in Latin America and throughout the world.

This large event will be held in the city of Rio de Janeiro and will address themes of notable relevance to Cost Engineering, Quantity Surveying and Project Management Engineering.

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