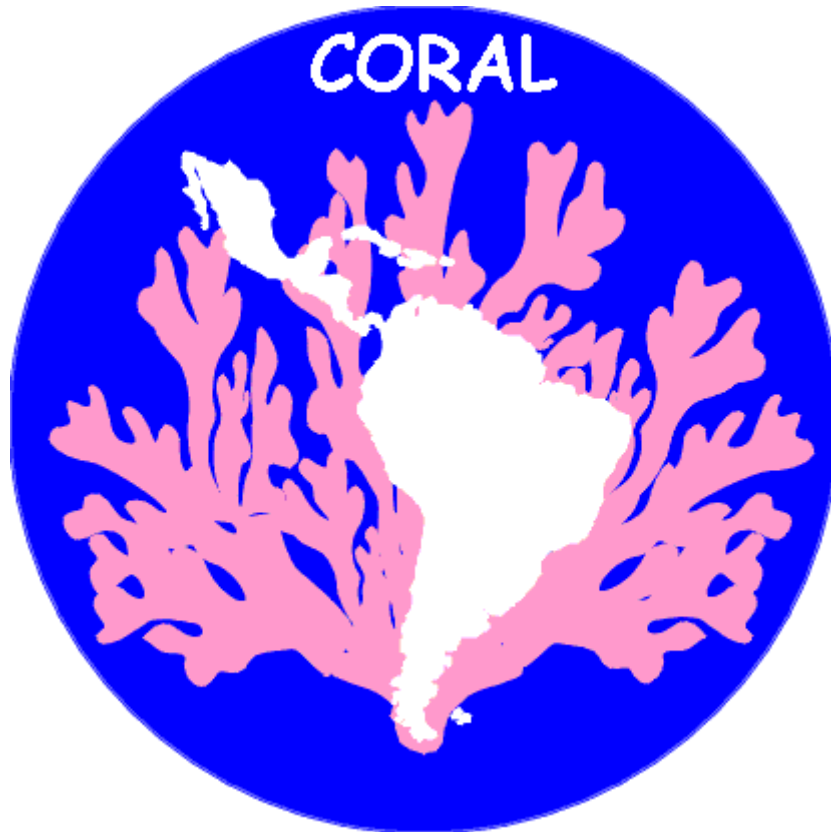


CONSEJO REGIONAL DE INGENIERÍA BIOMÉDICA PARA AMÉRICA LATINA  
CONSELHO REGIONAL DE ENGENHARIA BIOMÉDICA PARA AMÉRICA LATINA  
LATIN AMERICA REGIONAL COUNCIL ON BIOMEDICAL ENGINEERING



**ANNUAL REPORT FOR IFMBE**

**2011-2012**



# C O R A L

CONSEJO REGIONAL DE INGENIERÍA BIOMÉDICA PARA AMÉRICA LATINA  
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LATIN AMERICAN REGIONAL COUNCIL ON BIOMEDICAL ENGINEERING

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## **MISSION:**

*"Promote Biomedical Engineering in Latin America and the Caribbean."*

## **VISION:**

*To be a meeting point reference for Latin American and Caribbean countries to promote:*

- a) Professional and academical meetings and events.
- b) Research and teaching.
- c) Interchange of students and teachers.
- d) Publication of books and magazines in the region.
- e) Networks for innovation and experience exchanges.
- f) Opportunities for new perspectives and initiatives to continuously improve Biomedical Engineering.
- g) Entrepreneurs and innovation.

**Website:** <http://www.coralbiomedica.org>



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CONSEJO REGIONAL DE INGENIERÍA BIOMÉDICA PARA AMÉRICA LATINA  
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LATIN AMERICAN REGIONAL COUNCIL ON BIOMEDICAL ENGINEERING

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## **CORAL Officers - 2011 - 2013**

Prof. **Renato Garcia Ojeda**, President  
Biomedical Engineering Institute, **UFSC**, Florianópolis, Brazil  
E-mail: [renato@ieb.ufsc.br](mailto:renato@ieb.ufsc.br)

Prof. **Guillermo Avendaño Cervantes**, Vice-President  
Department of Biomedical Engineering, **UV**, Valparaiso, Chile  
E-mail: [guillermo.avendano@uv.cl](mailto:guillermo.avendano@uv.cl)

Prof. **Eric Laciár Leber**, Secretary  
Department of Medical Technology, **UNSJ**, San Juan, Argentina  
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Prof. **Luis Vilcahuaman** , Treasurer  
Department of Biomedical Engineering, **PUC**, Lima, Peru  
E-mail: [lvilcah@pucp.edu.pe](mailto:lvilcah@pucp.edu.pe)

## **CHAIRMAN COMMITTEES**

### **Ex-President:**

Prof. **Miguel Cadenas Méndez** ,  
Universidad Autonoma Metropolitana, Mexico City, Mexico.  
E-mail: [miguelcadenam@hotmail.com](mailto:miguelcadenam@hotmail.com)

### **EMBS-IEEE Representative:**

Prof. **Martha Zequera Díaz**  
Pontificia Universidad Javeriana, Bogota, Colombia.  
E-mail: [mzequera@javeriana.edu.co](mailto:mzequera@javeriana.edu.co)

### **IFMBE Representative:**

Prof. **Jorge Monzón**  
Universidad Nacional Del Nordeste, Argentina  
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## **1. CORAL REPORTS 2011**

During the last year CORAL WG had a main activity which concentrated the most important efforts of the organization and its members: the V Latin American Congress on Biomedical Engineering (CLAIB2011). It was submitted a report to IFMBE news that offers a detailed information of its results (Attached at the end of this report).

In the last year two CORAL Administrative Committee (AdCom) meetings were celebrated. The first one, in Buenos Aires, Argentina, during the 32<sup>nd</sup> Annual International Conference of the IEEE Engineering in Medicine and Biology Society. This was the XXI meeting of the AdCom and in its agenda were included the elections, according the bylaws, for the period 2011-13.

The elected directive of CORAL for 2011-13 is integrated by:

- Renato García Ojeda, Brazil, elected in 2007, as vice-president assume the presidency
- Guillermo Avendaño, Chile, elected vice-president
- Eric Laciár Leber, Argentina, Secretary
- Luis Vilcahuamán Cajacuri, Peru, Treasurer

In the meeting was agreed a change in the bylaws regarding the directive positions and the responsibility of Secretary/treasurer was divided in order to facilitate the job.

In the period, finished their mandate Miguel Cadena Méndez, Mexico, President 2008-10, Renato García, Vice-president, now President, and Martha Zequera Díaz who ended her labor as Secretary/treasurer, that was accomplished during two periods, since 2005.

The XII AdCom meeting took place in Havana, during the CLAIB. Something important to highlight is CORAL's membership at that moment:



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One strategic working goal that was identified by CORAL's directive in the period is to increase and to support the creation of national societies in our Region and at the same time, encourage them to be integrated to CORAL and to IFMBE. The meeting underlined the importance of celebrating formal virtual meeting inter AdCom and also presented advances of the strategic plan for the near future of the organization.

It was also point out the tied links achieved by CORAL and IFMBE and the strengthening connection between both organizations that allows accomplishing a greater collaboration and participation in activities and goals of both of them.

The WC2012 was put in the target of the main events in the next year and the members were called for the promotion of this main event in each country member. It was sent the budget proposal to attend this meeting and also a proposal to organize the Traveling Fellows program suggested and supported with IFMBE.



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## **2. Activities in 2011.**

### **ANNUAL Meetings Administrative Committee of CORAL**

CORAL XXII-2011, CUBA.

In V LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING,

V CLAIB - 2011, may 2012, Havana, Cuba

### **National Congress in Latin American.**

#### **COLOMBIA:**

#### **IV Colombian Congress of Bioengineering and Biomedical Engineering**

**IV Congreso Colombiano de Bioingeniería e Ingeniería Biomédica, IV CCBIO;** en la ciudad de Barranquilla del 22 al 24 de septiembre de 2011.

**Bioinnova 2011,** International Symposium and EMBS-R9 Annual Meeting, del 31 de Octubre al 02 de Noviembre, Bogota Colombia.

#### **ARGENTINA:**

#### **XVIII Argentinean Bioengineering Congress**

**XVIII Congreso Argentino de Bioingeniería ; VII Jornadas de Ingeniería Clínica y II Taller de Órganos Artificiales, Biomateriales e Ingeniería de Tejidos, SABI 2011,** en la ciudad de Mar del Plata del 28 al 30 de septiembre de 2011.

#### **MEXICO:**

#### **XXXIV National Congress on Biomedical Engineering**

**XXXIV Congreso Nacional de Ingeniería Biomédica - CNIB2011,** en la ciudad de Ixtapa, Zihuatanejo del 6 al 8 de octubre de 2011.



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## **3. NEXT ACTIVITIES 2012**

**ANNUAL Meetings Administrative Committee of CORAL** CORAL XXIII-2012, CHILE. In 3rd CHILEAN MEETING ON BIOMEDICAL ENGINEERING (Terceras Jornadas Chilenas de Ingeniería Biomédica); JCIB 2012 – <http://www.biomedica.uv.cl/jcib> ; September 26th to September 28th, 2012 — Viña del Mar, Chile.

### **CHILE:**

**3rd CHILEAN MEETING ON BIOMEDICAL ENGINEERING** (Terceras Jornadas Chilenas de Ingeniería Biomédica); **JCIB 2012** – <http://www.biomedica.uv.cl/jcib> ; September 26th to September 28th, 2012 — Viña del Mar, Chile.

### **MEXICO:**

#### **XXXV National Congress on Biomedical Engineering**

**CNIB2012**; <http://www.cnib.somib.org.mx/>; Universidad Autónoma de San Luis **Potosí**, ciudad de San Luis Potosí; October 4th to October 6th, 2012.

### **BRASIL:**

**XXIII Brazilian Congress of Biomedical Engineering. CBEB 2012;**  
**XXIII Congresso Brasileiro de Engenharia Biomédica. CBEB 2012;**  
<http://www.cbeb.com.br/>; en la ciudad de Porto de Galinhas, Pernambuco, October 01 to 05 2012.

#### **Meetings Administrative Committee of CORAL**

In WC2012; Beijing, China. May 30 th 2012.



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## **4 .- OTHER ACTIVITIES.**

### **Meetings Administrative Committee of CORAL**

CORAL XXIV-2013, PERU.

CORAL XXV-2014, ARGENTINA.

**Next *LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING:***

**VI LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING,**

**VI CLAIB - 2014, ARGENTINA**





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## **5 BRIEF REPORT OF THESE SOCIETIES:**

### **SABI – Sociedad Argentina de Bioingeniería** **Argentinean Society of Bioengineering**

- One of their most important activities was accompanying the celebration of 32<sup>nd</sup> Annual International Conference of the IEEE Engineering in Medicine and Biology Society, on September 2010, Buenos Aires.
- They have celebrated the XVIII Argentinean Congress of Bioengineering (in conjunction with the VII National Conference of Clinical Engineering ) on September, 2011, Mar del Plata, Argentina.
- They are organizing the XVIII International Conference of Clinical Engineering and Medical Technology to be held in Oro Verde, Entre Ríos, next August 22<sup>th</sup> to 24<sup>th</sup>.
- They have continued publishing their journal: Revista Argentina de Bioingeniería. <http://www.sabi.org.ar/revista.php>

### **SBEB – Sociedade Brasileira de Engenharia Biomédica** **Brazilian Society of Biomedical Engineering**

- They supported meeting TEC-SAÚDE 2010 organized by the Institute of Biomedical Engineering of the Federal University of Santa Catarina, on September, 2010.
- They have celebrated XXII Brazilian Congress on Biomedical Engineering, held on November, 2010, Tiradentes, Brazil.
- They are organizing the XXIII Brazilian Congress on Biomedical Engineering to be held in Porto de Galinhas, next October 1<sup>st</sup> to 5<sup>th</sup>.
- They have continued publishing their journal: Revista Brasileira de Engenharia Biomédica- Brazilian Journal of Biomedical Engineering. <http://www.rbeb.org.br/>

### **ABIOIN – Asociación Colombiana de Bioingeniería y Electrónica Médica** **Colombian Association of Bioengineering and Medical Electronics**

- They have celebrated the IV Colombian Congress of Bioengineering and Biomedical Engineering, held on September 21<sup>st</sup> to 24<sup>th</sup>, Barranquilla, Colombia.



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## SOCBIO – Sociedad Cubana de Bioingeniería **Cuban Society of Bioengineering**

- Its main activity was the organization of CLAIB 2011 and the national mobilization to achieve a wide national and international attendance. The Congress was supported with a wide participation of national professionals, institutions and organisms.
- They keep with the publication of their journal: Bioingeniería y Física Médica cubana. <http://bvs.sld.cu/revistas/bfm2/index.htm>

## **SOMIB – Sociedad Mexicana de Bioingeniería** **Mexican Society of Bioengineering**

- They have celebrated the XXXIV National Congress on Biomedical Engineering, held on October 2011, Ixtapa, Zihuatanejo.
- They are organizing the XXXV National Congress on Biomedical Engineering to be held in San Luis Potosí, next October 4<sup>th</sup> to 6<sup>th</sup>.
- They have continued publishing their journal: Revista Mexicana de Ingeniería Biomédica. <http://www.somib.org.mx/revista.html>
- Member of the Society are leading a regional project to create a Latin American network to develop Medical technology management that had a meeting during CLAIB 2011.

## **SOVEB - Sociedad Venezolana de Bioingeniería** **Venezuelan Society of Bioengineering**

- Two persons attended CORAL AdCom meeting but they could not represented the organization because they did not have formal credentials. They informed that the Society had organizational problems in the last year.
- They are organizing the IV Venezuelan Congress on Bioengineering to be held in San Cristobal Táchira, next November 12<sup>th</sup> to 15<sup>th</sup>.



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## **6 CHAPTERS EMBS-IEEE REPORT 2011**

- The main aim for 2010-2011 will be to enroll 4 new chapters in Region 9 and maintain local chapters with new initiatives in all the Regions.
- Focus to work with 9 chapters in potential risk to be dissolved before nov-2010 in all the regions.
- Reactive Chile Section Chapter and Venezuela Section Chapter
- Update the database of chapters situation “Overview of How the Chapters Are Doing”
- Workshop (exchange new issues for EMBS Chapter in all regions to Develop a strategic plan to strengthen EMBS Chapters 2011 (Regional Representatives). August – Buenos Aires
- Meeting of Potential New Chapters in ANDESCON 2010 IEEE September 2010, Bogotá
- To organize IEEE-EMBS Joint Chapter Workshop in the regions, for 2011 we have proposals from UK, Rumania and Zagreb.



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## CORAL MEMBERS



# C O R A L

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## **CORAL MEMBERS:** (Updated 2011)

The membership of CORAL is composed of the following groups:

- a) National Societies of Biomedical Engineering, affiliated and in good standing with the IFMBE, from countries in Latin America and the Caribbean.
- b) National Societies of Biomedical Engineering, in Latin America and the Caribbean countries, that do not have a Society affiliated with the IFMBE, but share the common objectives of CORAL, with the provision that there cannot be more than one such society as a member from any one country. Such a Society must have at least ten members.
- c) Societies or joint IEEE Chapters of the Engineering in Medicine and Biology Society duly approved by the IEEE and in good standing with it, from countries in IEEE Region 9 (Latin America and the Caribbean).
- d) Sponsoring organizations are to be either a regional or international professional society, government agency, or nonprofit organization with a demonstrated interest on activities in biomedical engineering in Latin America and the Caribbean.



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**The members of CORAL in December 2011 are:**

**National Societies:**

<b>Argentina</b>	<b>SABI</b> – Sociedad Argentina de Bioingeniería <b>Argentinean Society of Bioengineering</b>
<b>Brazil</b>	<b>SBEB</b> – Sociedade Brasileira de Engenharia Biomédica <b>Brazilian Society of Biomedical Engineering</b>
<b>Colombia</b>	<b>ABIOIN</b> – Asociación Colombiana de Bioingeniería y Electrónica Médica <b>Colombian Association of Bioengineering and Medical Electronics</b>
<b>Costa Rica</b>	<b>ACOBEM</b> - Asociación Costarricense de Bioingeniería y Electromedicina <b>Costa Rican Association of Bioengineering and Electromedical</b>
<b>Cuba</b>	<b>SOCBIO</b> – Sociedad Cubana de Bioingeniería <b>Cuban Society of Bioengineering</b>
<b>Mexico</b>	<b>SOMIB</b> – Sociedad Mexicana de Bioingeniería <b>Mexican Society of Bioengineering</b>
<b>Peru</b>	<b>APIB</b> – Asociación Peruana de Ingeniería Biomédica <b>Peruvian Association of Biomedical Engineering</b>
<b>Venezuela</b>	<b>SOVEB</b> - Sociedad Venezolana de Bioingeniería <b>Venezuelan Society of Bioengineering</b>



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## Chapter EMBS-IEEE

<b>Active</b>	
<b>Argentina</b>	ARGENTINA SECTION CHAPTER, EMB18 Chapter
<b>Brazil</b>	BRASILIA SECTION JT CHAPTER, ED15/MTT17/EMB18 Joint Chapter
<b>Brazil</b>	SOUTH BRAZIL SECTION JT. CHAPTER, EMB18/CS23
<b>Colombia</b>	COLOMBIA SECTION CHAPTER EMB18 Chapter & Student Chapter
<b>Costa Rica</b>	COSTA RICA SECTION CHAPTER, EMB18 Chapter & Student Chapter
<b>México</b>	MÉXICO SECTION CHAPTER, EMB18 Joint Chapter
<b>México</b>	CENTRO OCCIDENTE SECTION CHAPTER, EMB18 Chapter
<b>Panamá</b>	PANAMÁ SECTION CHAPTER, EMB18 (New) Chapter
<b>Peru</b>	PERUVIAN SECTION CHAPTER, EMB (New) Chapter
<b>Ecuador</b>	ECUATORIAN SECTION CHAPTER, EMB (New) Chapter
<b>Non-Active</b>	
<b>Chile</b>	
<b>Venezuela</b>	
<b>Potential New Chapters</b>	
<b>Bolivia</b>	
<b>Honduras</b>	



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## Committees

### Ex President Committee:

<b><u>Chairman:</u></b>	<b>Miguel Cadenas Méndez</b>	<b>(Mexico, 2008-2010)</b>
	<b>Máximo E. Valentinuzzi</b>	<b>(Argentina, 1991-1994)</b>
	<b>Carlos Péres da Costa</b>	<b>(Brasil, 1995-1996)</b>
	<b>Adriana Velázquez</b>	<b>(México, 1997-1998)</b>
	<b>Jorge Monzón</b>	<b>(Argentina, 1999-2001)</b>
	<b>Fernando Infantosi</b>	<b>(Brasil, 2002-2004)</b>
	<b>Susana Llanusa</b>	<b>(Cuba, 2005-2007)</b>





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## IFMBE Members in December 2011

### **Argentina** (Updated 2011)

SOCIEDAD ARGENTINA DE BIOINGENIERA

Contact Person: Ariel BRAIDOT

Facultad de Ingeniería

Universidad Nacional de Entre Ríos

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Web: <http://www.sabi.org.ar>

### **Brazil** (Updated 2011)

SOCIEDAD BRASILEIRA DE ENGENHARIA BIOMÉDICA

Contact Person: Eduardo TAVARES COSTA

SBEB - Sociedade Brasileira de Engenharia Biomédica

Caixa Postal 68510

Centro de Tecnologia - COPPE/UFRJ

21945-970 - Rio de Janeiro - RJ - BRAZIL

Email: [educosta@ceb.unicamp.br](mailto:educosta@ceb.unicamp.br)

Web: <http://www.sbeb.org.br>

### **Colombia** (Updated 2011)

ASOCIACIÓN COLOMBIANA DE BIOINGENIERÍA Y ELECTRÓNICA MÉDICA

Contact Person: Isnardo TORRES RIVERA

Instituto Colombiano de Investigación y Desarrollo en Bioingeniería

Bucamaranga, COLOMBIA

E-mail: [isnardo26@gmail.com](mailto:isnardo26@gmail.com)

### **Cuba** (Updated 2011)

SOCIEDAD CUBANA DE BIOINGENIERIA

Contact Person: Jorge Castro MEDINA

Edificio del Consejo Científico

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Vedado, La Habana ,CUBA

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Web: <http://www.socbio.sld.cu/>



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## **Mexico** (Updated 2011)

SOCIEDAD MEXICANA de INGENIERÍA BIOMÉDICA

Contact Person: Juan Manuel GÓMEZ GONZÁLEZ

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Fax: +52-5574 3928

E-mail: [secretariado@somib.org.mx](mailto:secretariado@somib.org.mx)

Web: <http://www.somib.org.mx>

## **Venezuela**

BIOENGINEERING VENEZUELAN SOCIETY

Contact Person: Ninoska Carolina Viloría MATERANO

Universidad Nacional Experimental "Simón Bolívar"

Electrónica, Piso 1, Ofic.116. GBBA

Valle de Sartenejas, Baruta, Edo. Miranda

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E-mail: [nviloria@usb.ve](mailto:nviloria@usb.ve)

Web: <http://www.oveb.org.ve>



# C O R A L

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## EMBS/EEE Members (Updated 2011)

### **Argentina**

#### **ARGENTINA SECTION CHAPTER, EMB18**

Chapter

Contact Person: Sebastian Graf

Teléfono: + +54 11 43781150

E-m: graf@favaloro.edu.ar

### **Brazil**

#### **BRASILIA SECTION JT CHAPTER, ED15/MTT17/EMB18**

Joint Chapter

Chapter Chair: José Da Costa

Universidade De Brasilia

Teléfono: +55 61 33072328

E-m: camargo@ene.unb.br

### **Brazil**

#### **SOUTH BRAZIL SECTION JT. CHAPTER, EMB18/CS23**

Chapter

Chapter Chair : Renato García

Teléfono: +55 61 33072328

E-m: renato.garcia@ieee.org

### **Colombia**

#### **COLOMBIA SECTION CHAPTER EMB18**

Chapter

Chapter Chair: Oscar Herrera

UNIVERSIDAD CENTRAL

E-m: oscarlhs@yahoo.com

### **Costa Rica (New)**

#### **COSTA RICA SECTION CHAPTER, EMB18**

Chapter

Chapter Chair: María Esquivel

E-m: mpaula.esquivel@gmail.com

### **México**

#### **MEXICO SECTION CHAPTER, EMB18**

Joint Chapter

Chapter Chair: Ron Leder

E-mail: rleder@ieee.org



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## **México**

### **CENTRO OCCIDENTE SECTION CHAPTER, EMB18**

Chapter

Chapter Chair: Solyelis Josefina Rodriguez

E-mail: [solyelis.rodriguez@ieee.org](mailto:solyelis.rodriguez@ieee.org)

## **Panamá**

### **PANAMÁ SECTION CHAPTER, EMB18 (New)**

Chapter

Chapter Chair: Dorcas Mariela Torres

E-m: [mariel0013@yahoo.com](mailto:mariel0013@yahoo.com)

## **Perú**

### **PERUVIAN SECTION CHAPTER, EMB (New)**

Chapter

Chapter Chair Mery Vidal

E-m: [mery.vidal@oncosalud.com.pe](mailto:mery.vidal@oncosalud.com.pe)

## **Uruguay**

### **URUGUAY SECTION CHAPTER, EMB18/CS23/SSC37**

Joint Chapter

Chapter Chair: Enrique Ferreira

E-m: [e.d.ferreira@ieee.org](mailto:e.d.ferreira@ieee.org)

## **Ecuador**

### **ECUATORIAN SECTION CHAPTER, EMB (New)**

Chapter

Chapter Chair: Fernando Urgiles

## **NEW POTENTIAL CHAPTERS:**

**Honduras**

**Bolivia**



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At that moment CORAL members were:

No.	Country	CORAL MEMBERS
1	<b>Argentina</b>	<u>Sociedad Argentina de Bioingeniería</u> y Capitulo IEEE-EMBS
2	<b>Brasil</b>	<u>Sociedad Brasileira de Ingeniería Biomédica</u> y Capitulo IEEE-EMBS Región Sur
3	<b>Chile</b>	Capitulo IEEE-EMBS
4	<b>Colombia</b>	<u>Asociación Colombiana de Bioingeniería y Electrónica Médica</u> y Capitulo IEEE-EMBS
5	<b>Costa Rica</b>	Asociación Costarricense de Bioingeniería y Electromedicina y Capitulo IEEE-EMBS
6	<b>Cuba</b>	<u>Sociedad Cubana de Bioingeniería</u>
7	<b>Ecuador</b>	Capitulo IEEE-EMBS
8	<b>México</b>	<u>Sociedad Mexicana de Ingeniería Biomédica</u> y Capitulo IEEE-EMBS
9	<b>Panamá</b>	Capitulo IEEE-EMBS
10	<b>Perú</b>	Asociación Peruana de Ingeniería Biomédica y Capitulo IEEE-EMBS
11	<b>Uruguay</b>	Capitulo IEEE-EMBS
12	<b>Venezuela</b>	<u>Sociedad Venezolana de Bioingeniería</u> y Capitulo IEEE-EMBS

Note: The national societies underlined are IFMBE members also.



# C O R A L

CONSEJO REGIONAL DE INGENIERÍA BIOMÉDICA PARA AMÉRICA LATINA  
CONSELHO REGIONAL DE ENGENHARIA BIOMÉDICA PARA AMÉRICA LATINA  
LATIN AMERICAN REGIONAL COUNCIL ON BIOMEDICAL ENGINEERING

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## **Past Meetings Administrative Committee of CORAL** (Updated -2011)

CORAL IV-1993, Durango, México (XVI Congreso-SOMIB)  
CORAL V-1994, Rio de Janeiro, Brasil (Congreso Mundial de la IFMBE)  
CORAL VI-1995, La Habana, Cuba (I Congreso SCB)  
CORAL VII-1996, Bucaramanga, Colombia; I Congreso-ABIOIN; Plan I  
CLAIB  
CORAL VIII-1997, Valencia, Venezuela ; II Congreso-SOVB.  
CORAL IX-1998, Mazatlán, México; XXI Congreso SOMIB; I CLAIB

### **I LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING**

CORAL X-1999, Lima, Perú, 1er. Congreso APB-TUMI-99.  
CORAL XI-2000, Florianópolis, Brasil; XVII-Congreso SBEB  
CORAL XII-2001, Habana, Cuba; III Congreso SCB; II CLAIB

### **II LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING**

CORAL XIII-2002, Monterrey, México; XXV Congreso-SOMIB  
CORAL XIV-2003, Cancún, México; XXV Annual International  
Conference IEEE-EMBS.

CORAL XV-2004, Joao Pessoa, Brasil; XIX Congreso SBEB; III CLAIB

### **III LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING**

CORAL XVI-2005, Bogotá, Colombia; II Congreso-ABIOIN.  
CORAL XVII-2006, Valencia, Venezuela ; II Congreso-SOVB.  
CORAL XVIII-2007, Isla Margarita, Venezuela; IV CLAIB

### **IV LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING**

CORAL XIX-2008, Guadalajara, México; XXXI Congreso-SOMIB.  
CORAL XX-2009, San José, Costa Rica (I Congreso-ACOBEM)  
CORAL XXI-2010, Buenos Aires, Argentina (XXXII Annual International  
Conference IEEE-EMBS).

CORAL XXII-2011, La Habana, Cuba; VI Congreso-SCB; V CLAIB.

### **V LATIN AMERICAN CONGRESS ON BIOMEDICAL ENGINEERING**



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## **Other meetings support by CORAL:**

### **National Congress of :**

- Argentinean Society of Bioengineering
- Brazilian Society of Biomedical Engineering
- Colombian Association of Bioengineering and Medical Electronics
- Costa Rican Association of Bioengineering and Electromedical
- Cuban Society of Bioengineering
- Mexican Society of Bioengineering
- Peruvian Association of Biomedical Engineering
- Venezuelan Society of Bioengineering
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### **EMBS – IEEE Meetings:**

- 25 th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. EMBC2003
- 32nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2010
- Chapters EMBS- IEEE meeting (2011)
- The First EMBS/IEEE Latino American Regional Chapter chairs meeting (2011)