



April 15 – 20, 2012

Miami, Florida

WELCOME FROM THE CHAIR

On behalf of the organizing committee, I want to personally invite you to join us for the 53rd ENC, which will be held at the beautiful Intercontinental Hotel in Miami, FL at a time of year when the weather will be magic!

Our hotel has every amenity you could want, and is right on the waterfront. There are first-class restaurants within a stone's throw, and Key Biscayne, Coconut Grove, and Miami Beach are only minutes away. We expect a large turnout, and have the kind of groundbreaking science in magnetic resonance that I know will make it a memorable and enlightening intellectual experience. Our program will feature the broad, eclectic mix of fundamental methods and cutting-edge applications that make the ENC unique.

We plan to support a large number of students through travel stipends, and have kept the hotel costs lower than last year, while securing free in-room Internet and beautiful, spacious hospitality suites. Nobel Laureate Richard Ernst will be our after-dinner speaker, which will be your chance to acquaint yourself with the historical development of FT and 2D NMR. Don't miss this opportunity!



A. J. Shaka
University of California, Irvine

There are two abstract deadlines. The first is January 13, especially for authors who wish to be considered for a promoted talk or for students seeking a travel stipend. We will then notify you by mid-February so that you can plan your travel arrangements more easily. The second deadline is March 9 for late-breaking results, with notification in early April. The late-breaking abstracts will be considered for posters.

I am already looking forward to the meeting, and hope that you and your family will enjoy coming along and exploring this dynamic, beautiful setting.

A. J. Shaka
Chair, 53rd ENC

IMPORTANT DEADLINES

January 13, 2012

Online submission of abstracts
Student travel applications
Ritchey Award applications

March 9, 2012

Late breaking abstracts

March 23, 2012

Advance registration and
hotel reservations

Program Schedule

Sunday, April 15

3:00 - 8:00 pm, Registration
6:00 - 8:00 pm, Welcome Reception
8:00 pm, Hospitality Suites (Optional)

Monday, April 16

9:00 - 9:05 am, Conference Opening
9:05 - 9:15 am, Laukien Prize Presentation
9:15 - 10:15 am, Laukien Prize Lecture
10:15 - 10:45 am, Break
10:45 am - 12:30 pm, Plenary Session: Biomolecules Structure and Function
12:30 - 2:00 pm, Lunch Break
2:00 - 3:45 pm, Poster Session and Exhibits
4:00 - 6:00 pm
Parallel Session 1: Solids I
Parallel Session 2: Detection
After 6:00 pm, Hospitality Suites
7:00 - 8:30 pm, AMMRL Meeting

Tuesday, April 17

8:30 - 10:15 am, Plenary Session: Biomolecular NMR
10:15 - 10:45 am, Break
10:45 am - 12:30 pm
Parallel Session 1: Materials
Parallel Session 2: Tutorial Session
12:30 - 2:00 pm, Lunch Break
2:00 - 3:45 pm, Poster Session and Exhibits
4:00 - 6:00 pm
Parallel Session 1: Dynamics
Parallel Session 2: MRI Developments
After 6:00 pm, Hospitality Suites

Wednesday, April 18

8:30 - 10:15 am, Plenary Session: Resolution and Sensitivity
10:15 - 10:45 am, Break
10:45 am - 12:30 pm
Parallel Session 1: Exotica
Parallel Session 2: "Small" Molecules
12:30 - 2:00 pm, Lunch Break
2:00 - 3:45 pm, Poster Session and Exhibits
4:00 - 6:00 pm
Parallel Session 1: Motion and Dynamics
Parallel Session 2: MRI / MRS
After 6:00 pm, Hospitality Suites

Thursday, April 19

8:30 - 10:15 am, Plenary Session: Exotica MRI
10:15 - 10:45 am, Break
10:45 am - 12:30 pm
Parallel Session 1: Screening
Parallel Session 2: Solids II
12:30 - 2:00 pm, Lunch Break
2:00 - 3:45 pm, Poster Session and Exhibits
4:00 - 6:00 pm
Parallel Session 1: ENC Focus, NMR in Latin and South America
Parallel Session 2: Software and Hardware
6:30 - 8:00 pm, Banquet
8:00 - 9:00 pm, After Dinner Program, Richard Ernst
"ENC A Major Stimulator in My Scientific Life"
After 9:00 pm, Hospitality Suites (Optional)

Friday, April 20

8:30 - 10:15 am, Plenary Session: Frontiers
10:15 - 10:45 am, Break
10:45 am - 12:15 pm, Plenary Session: Large Systems
12:30 pm, Adjour

GENERAL INFORMATION

CONFERENCE LOCATION

All sessions, hospitality suites, exhibits, and the conference hotel room block will be at the **Intercontinental Hotel Miami**, 100 Chopin Plaza, Miami, Florida 33131. Phone: (305) 577-1000.

TRANSPORTATION

The Intercontinental Hotel Miami is 7.5 miles from the Miami International Airport (MIA). Hotel parking is currently \$35 per day. It is suggested that you use shuttle or taxi airport transportation. View the ENC web site for details on airport shuttle and taxi service.

REGISTRATION

The deadline for advance registration is March 23, 2012. All on-site personnel must be registered for the meeting and must wear an official name badge, including hospitality suites. To register as a student, you must be enrolled full-time in a degree program at the time of the conference. Please register online: www.enc-conference.org.

ACCOMMODATIONS

Conference accommodations are available at the Intercontinental Hotel Miami. The hotel is located directly on Biscayne Bay in the heart of Miami.

ENC conference hotel rate is \$185 plus taxes for a single or a double. Make your reservation online through the ENC web site: www.enc-conference.org. To make your reservation by phone, call 305-372-4463. Be sure to mention ENC2012 to obtain the conference rate.

Special room rates: A limited number of rooms are available for students at a special rate of \$109 plus tax. Government rate rooms are also available (official government ID is required at check-in). To qualify for a student room you must be a full-time student at the time of the ENC and registered for the conference. An accompanying person is not qualified and may not occupy a student rate room. To request a student room, provide a copy of student ID for each person who will occupy the room plus research advisor's name and email. Send to enc@enc-conference.org

Reservations will be accepted as they are received until the ENC room block is sold out.

CALL FOR ABSTRACTS

Deadline: January 13, 2012

Abstracts must be submitted through the ENC web site: www.enc-conference.org. You will be asked to enter the following: title, authors, affiliations, 120-word short abstract. You must also prepare a one-page long abstract that may include figures and color graphics. Long abstracts will be distributed on CD at the conference. Long abstracts may be uploaded to the web site as pdf (be sure fonts are embedded) or as Microsoft Word document that ENC will convert to pdf. Please refer to the ENC web site for instructions on formatting the long abstract. **No submission without a long abstract will be considered.**

1. There must be a fundamental difference between each of the abstracts submitted from a research group. The same results may not appear in multiple presentations.
2. The results presented in each abstract should add something new to our base of knowledge in either magnetic resonance or a given application area. Abstract review will focus on the novel aspects of each submission.
3. Abstracts with a substantial commercial content will not be accepted. These papers should be presented in hospitality suites.
4. If you wish to be considered for a short talk, your abstract must be submitted by January 13.

POST DEADLINE ABSTRACTS: March 9, 2012

Abstracts of late breaking results may be submitted through March 9. These abstracts will be scheduled as posters as space permits.

RITCHEY AWARD

Deadline: January 13, 2012

The ENC Ritchey Travel Award honors William M. Ritchey, the founder of ENC. The amount of the award is \$1,000 to be used for travel to the ENC. Applicants must be within the final year of a Ph.D. program whose work shows significant involvement in the development and applications of advanced NMR techniques or methods. To apply, please check the appropriate box when an abstract is submitted. Only one abstract per applicant and the applicant must be the presenting author on the abstract. In addition to



the abstract, applicants must submit by email (enc@enc-conference.org) the following:

- A brief (not to exceed one page) statement of current research focus and career goals;
- Two letters of support.

STUDENT TRAVEL STIPENDS

Deadline: January 13, 2012



To apply, check the appropriate box when an abstract is submitted. Applicants must be bona-fide full-time graduate students at the time of the conference, must be located outside Florida, and must be the presenting author on a submitted abstract. **No more than one student from a research group may apply.** Applicants will be notified of the results by February 15, 2012.

The student travel stipends are possible through the generous support of Suraj P. Manrao.

SPECIAL EVENTS

Sunday, 6:30 - 8:00 pm

Welcome Reception. Join us for a Latin reception outside on the terrace (weather permitting) and enjoy pulled pork, mojitos, and the view as we celebrate the start of the 53rd ENC. All registrants are invited. No extra ticket is required, only your ENC name badge.

Thursday, 6:30 - 8:00 pm

Closing Banquet. Enjoy a special evening with colleagues and friends to close a successful conference. Tickets are required: \$50 per person.



Thursday, 8:00 pm

After Dinner Program. Richard Ernest, *ETH Zurich* ENC, a Major Stimulator in my Scientific Life

FOR MORE INFORMATION, contact:

ENC – 2019, Galisteo Street, Building I-1

Santa Fe, NM 87505 (USA).

Phone: 505-989-4573.

Fax: 505-989-1073. E-mail: enc@enc-conference.org



ENC REGISTRATION

Please register online by March 23, 2012

Register online through our secure server: www.enc-conference.org or complete this form and send with full payment. *Please print clearly.*

Cancellation. To receive a refund for cancellation, written notice must be received by April 9, 2012. \$50 will be deducted from all re-funds to cover the cost of processing and handling. Email notice of cancellation to enc@enc-conference.org.

Name _____ Telephone _____

Company or Institution (will be printed on name badge) _____

Address _____ City _____ State _____ Zip _____ Country/Postal Code _____

E-mail (important - receipt will be sent by email) _____

CONFERENCE REGISTRATION.

- Check one: Regular, \$385 Student, \$80 (Must be full-time student at the time of the conference)
 Guest name badge, \$10 (must be accompanying a full registrant), includes Sunday opening reception and hospitality suites. May not be a person working in NMR or employed by a company exhibiting at the conference).

BANQUET Thursday, April 19

\$50 x ___ number of persons (*limit of one guest per registrant*).

Enter registration amount \$ _____

Enter optional banquet amount \$ _____

ENTER TOTAL AMOUNT \$ _____

This form must be accompanied by payment for the total amount. Check must be in U.S. dollars and payable through U.S. bank. We regret that we do not accept purchase orders.

- Check is enclosed (payable to ENC) Charge total amount to VISA, MasterCard or AmEx

Card number _____ Exp. Date _____ Security Code _____ Card Holder's Signature _____

Please register by March 23, 2012.

Please send to:

ENC Registration

2019 Galisteo Street, Building I-1
Santa Fe, NM 87505 (USA)

Fax: 505-989-1073

(For credit card payments only)



April 15 – 20, 2012

INTERCONTINENTAL HOTEL MIAMI



IMPORTANT DEADLINES

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Ritchey Award Applications

March 9, 2012

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March 23, 2012

Advance conference registration



MIAMI, FLORIDA

www.enc-conference.org

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