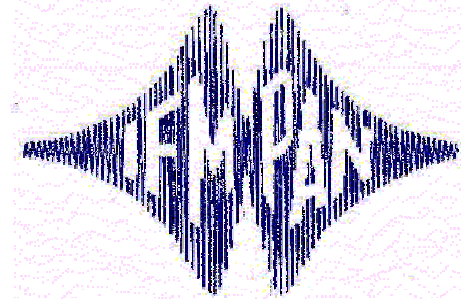


**XXI International Conference
on Radio and Microwave Spectroscopy RAMIS 2005:
Application to Modern Materials**



**Centre of Excellence
for Magnetic and Molecular Materials for Future
Electronics (MMMFE)**

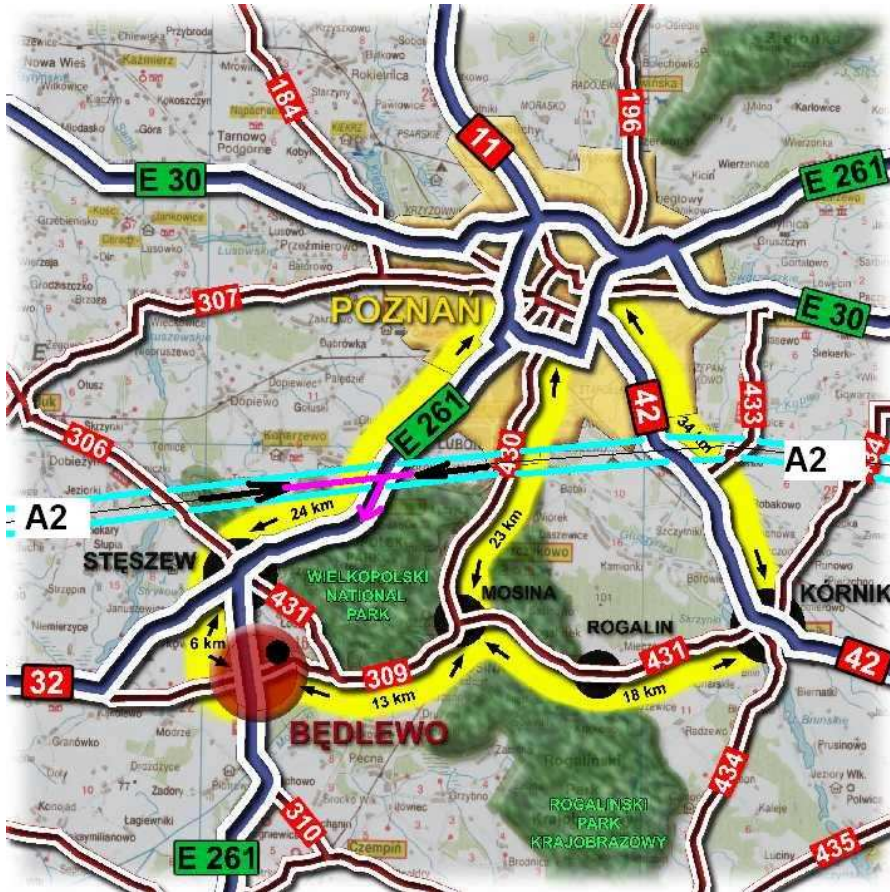


**Institute of Molecular Physics
Polish Academy of Sciences
POZNAŃ – POLAND**

Poznań-Będlewo, April 24-28, 2005

FINAL CIRCULAR

www.ifmpan.poznan.pl/ramis/ramis.html



REGISTRATION FEE

INTERNATIONAL ADVISORY COMMITTEE

Robert Blinc (Ljubljana), Bernhard Blümich (Aachen)
Klaus Peter Dinse (Darmstadt), Ulrich Haeberlen (Heidelberg)
Stefan Jurga (Poznań), Raymond Kind (Zürich)
Dieter Michel (Leipzig), Klaus Möbius (Berlin)
Narcyz Piślewski (Poznań), Jan Stankowski (Poznań)
Henryk Szymczak (Warszawa)

ORGANIZING COMMITTEE

S. Waplak – Chairman
J. Tritt-Goc – co-Chairman
M. Maćkowiak – co-Chairman
W. Bednarski – Secretary
L. Piekara-Sady, J. Boguszyńska,
H. Frąckowiak, J. Kowalczuk
A. Ostrowski, A. Rachocki

SPONSORS

Centre of Excellence MMMFE
Committee for Scientific Research
Institute of Molecular Physics Polish Academy of Sciences

ADDRESS FOR CORRESPONDENCE

Waldemar Bednarski
Institute of Molecular Physics,
Polish Academy of Sciences,
Mariana Smoluchowskiego 17,
PL-60179 Poznań, Poland
Phone: (+48-61) 8695209, (+48-61) 8695253,
Fax: (+48-61) 8684524,
E-mail: ramis@ifmpan.poznan.pl
<http://www.ifmpan.poznan.pl/ramis/ramis.html>

ESSENTIAL DEADLINES

Abstract submission 31 March 2005

Registration Form submission 5 April 2005

Current exchange rates: 1 EURO = 4.10 PLN.

Conference fee before 5 April 2005.

With accommodation:

<u>Participant:</u>	250 EURO
<u>Accompanying person:</u>	170 EURO
<u>PhD student and young Post-Doctoral scientist:</u>	150 EURO

Without accommodation:

<u>Participant:</u>	100 EURO
---------------------	----------

Please attach to the Final Registration Form a confirmation of the money remittance. Please remember to print your name on your money remittance.

Cancellation of the registration received in writing by signed letter or by fax before 5 April will result in a refund minus an administrative fee 100 PLN. Please indicate address and bank transfer number. Sorry, no refunds after 5 April 2005.

TRAVEL DIRECTIONS

By car. Conference Center is located in the Będlewo village about 25 kilometres south of Poznań. It takes half an hour by car to get to Będlewo from main railway station of Poznań or airport (see attached map).

By rail to Poznań. Poznań is located on the railway line Berlin-Warszawa approximately midway between these cities and can be reached by EURO CITY and INTERCITY trains from Warszawa and Berlin (approximately 3 hours journey). To reach the Conference Center in Będlewo you may take a local train from Poznań to Mosina (Wrocław direction), and then a taxi to Będlewo.

By air. Regular flights to Poznań-Ławica airport are available from Warszawa, Munich, Frankfurt, Cologne/Bonn, Vienna, Copenhagen, Brunschweig:
<http://www.airport-poznan.com.pl/en/index.php3>

TITLE OF THE ABSTRACT

(one line space)

X. Author, Y. Author

Affiliation of the authors

(two line space)

The title should be written in capitals, Times 12 pts, bold, centered. Author names should be written in Times 10 pts, bold. Affiliation should be Times 10 pts, normal. The text should be single, Times 10 pts.

The typing area is 13.5 cm wide and 21.7 cm high. Left margin 4 cm, top margin 4cm. The text should be sent in duplicate via regular mail or as an attachment by e-mail to address: ramis@ifmpan.poznan.pl, in Word format.

(one line space)

[1] Z. Author, *Journal*, **volume**, pages (year)

GENERAL INFORMATION

Location. The RAMIS 2005 (24-28 April 2005) will be held at the Mathematical Conference Center Będlewo near Poznań at address:

Będlewo Conference Center

Ul. Parkowa 1

Będlewo, 62-060 Stęszew, Poland

Tel: (+48-61) 813 51 87, Tel/fax: (+48-61) 813 53 93

<http://www.impan.gov.pl/Bedlewo>

located about 25 km from the Poznań city center to the south (see the attached map).

Registration desk will be located at the entrance of the Conference Center and open from Sunday, 24 APRIL 15³⁰ and during the conference hours.

Payment. The payment should be made in **EURO** or **polish złoty (PLN)**.

PRELIMINARY TIMETABLE

Sunday, 24 April, 2005

Afternoon

– Registration and distribution of materials

Evening

– Special lecture

– Opening Dinner

Monday, 25 April, 2005

8³⁰

– Opening

9⁰⁰

– Lectures

12³⁰

– Lunch

14³⁰

– Lectures

17³⁰

– Poster Session I

Tuesday, 26 April, 2005

8³⁰

– Lectures

12³⁰

– Lunch

14³⁰

– Lectures

19⁰⁰

– Common Dinner

Wednesday, 27 April, 2005

8³⁰

– Lectures

12³⁰

– Lunch

14³⁰

– Lectures

17³⁰

– Poster Session II

Thursday, 28 April, 2005

8³⁰

– Lectures

13³⁰

– Closing of the Conference

14⁰⁰

– Lunch

INVITED SPEAKERS

Robert Blinc, *NMR of disorder in classical perovskites and relaxors*

Bernhard Blümich, *Mobile NMR for materials analysis*

Rolf Böttcher, *Size effects in doped BaTiO₃ and PbTiO₃ nanopowders studied by EPR*

Jerzy Czaplicki, *Toward increased accuracy in methyl-derived NOE distance constraints*

Klaus Peter Dinse, *Multifrequency EPR in material science and chemistry*

Henryk Drulis, *EPR studies of some high-T_c superconducting materials*

Liviu Giurgiu, *Effects of Mn-substitution and size reduction on spin dynamics in CMR manganites*

Maya Glinchuk, *Theory of ESR and NMR spectra of ferroelectric materials nanopowders*

Gunnar Jeschke, *Structure and dynamics of macromolecules in the nanometer and nanosecond ranges as seen by EPR spectroscopy*
Adam Jezierski, *Natural biogenic materials containing semiquinone radicals - properties and applications*
Stefan Jurga, *Self assembling and molecular dynamics in soft matter as studied by NMR*
Raymond Kind, *Multi-level tunneling versus thermally activated hopping: a DMR study*
Rainer Kimmich, *Flow induced spin-lattice relaxation and other nano- and micropore phenomena detected by NMR*
Mariusz Maćkowiak, *Multidimensional NQR spectroscopy - a new tool in studies of molecular dynamics*
Dieter Michel, *Size effects in BaTiO₃ nanopowders and of BaTiO₃ embedded in mesoporous materials as studied by means of ESR and NMR*
Fanny Milia, *Application and methods of NQR spectroscopy for the detection of explosives and drugs*
Klaus Möbius, *High-field EPR spectroscopy on transfer proteins in biological action*
Andreas Pöpl, *ESR, ENDOR and HYSCORE studies of vanadium complexes on solid surfaces and in heteropolyacid materials*
Alexander Shames, *EMR study of electronic and magnetic ordering in doped CaMn_(1-x)M_xO₃ (M = Ru, Mo) perovskites*
Jan Stankowski, *Microwave absorption in nanostructures*
Siegfried Stapf, *Dependence of order and dynamics in polymers and elastomers under deformation revealed by NMR techniques*
Henryk Szymczak, *Magnetic resonance in manganites and cobaltites*
Stefan Wapłak, *Pretransition phenomena in fast-proton conductors*
Yurii Yablokov, *Intramolecular and lattice dynamics in the V^{IV}_xV^V_{6-x}O₇(OCH₃)₁₂ (x = 2, 3, 4) crystals*

SPEAKERS

Maria A. Augustyniak-Jabłokow, *EPR of slightly deformed Jahn-Teller centers.*
Joanna Boguszyńska, *Water transport in cement - based materials studied by STRAFI method*
Natalia Domarcheva, *EPR detection of magnetoelectric interactions in the liquid-crystalline of an iron mesogen*
Dana Dvoranová, *Photoactivation of pharmacologically active quinoline derivatives extracted from plants (EPR spin trapping study)*
Samih Isber, *Superconducting properties of TiBa₂Ca₂Cu₃O_{9.8} substituted by titanium (Ti)*
Adi Kassiba, *Mesoporous materials doped with metal transition ions: an EPR study*
Wojciech Kempański, *Superconductivity of carbon materials*
Eugene Khatsko, *Resonant investigations of singlet antiferromagnet KTb(WO₄)₂*
Joanna Kowalczyk, *NMR study of selected hydrophylic polymers*
Danuta Kruk, *Field dependent nuclear relaxation of spins 1/2 coupled to quadrupole spins, LaF₃ crystals as an example*
Ryszard Krzymiński, *Inflammatory state and free radicals*

Nicolay Kulagin, *ESR data for non-stoichiometric perovskite garnet single crystals doped with Me/RE ions*
Lidia Latanowicz, *New approach to NMR relaxation in solids consisting of tunnelling molecular groups*
Ryszard Narkowicz, *Microresonators for EPR experiments*
Michał Ostafin, *¹⁴N-NQR based devices for detection of explosives in luggage and landmines*
Adam Ostrowski, *EPR study of selected paramagnetic centers in fast proton conductor K₃H(SO₄)₂*
Adam Rachocki, *Molecular motions in polysaccharides observed by dielectric spectroscopy*
Zbigniew Sojka, *Hybrid genetic algorithm for extraction of the parameters from powder EPR spectra*

ORAL PRESENTATIONS:

30 or 40 min. (for invited speakers)
 15 min. (for PhD students and young Post-Doctoral scientists)
 20 min. (for other speakers)

POSTER STANDS: 115 cm wide × 100 cm high

SCIENTIFIC ABSTRACTS AND PAPERS

Participants and invited speakers are asked to submit a **one-page extended ABSTRACT before 31 March 2005** and are encouraged to contribute **PAPERS** during Conference.

ABSTRACTS will be published in the Conference materials as short notes and distributed among the participants during the Conference. All authors are therefore kindly asked to submit a **camera-ready extended ABSTRACT** preferably on a diskette or as an attachment to e-mail letter in the MS WORD format. Please prepare the abstract in strict accordance with the format shown on the sample abstract included in this Circular.

The selected **PAPERS** will be published in Acta Physica Polonica A. Because of strict Acta Physica Polonica rules, the following conditions must be fulfilled:

1. up to 15 pages for invited speakers (not less than 4)
2. 4-6 pages for other participants (not less than 4)

All papers should be prepared strictly in accordance with the rules described on the internet page:

<http://www.ifpan.edu.pl/ACTA/guide/guide.html>

Manuscripts (4 copies high quality typewriting or laser print and electronic version of the manuscript) must be supplied at Conference Office (24-25 April 2005). **The articles sent after Conference will not be accepted for publication.**