

**XXXV<sup>th</sup>**  
**International**  
**Congress**  
**on Electrophysiology**

**49<sup>th</sup> International Symposium  
on Vectorcardiography**

**7<sup>th</sup> International Symposium  
on Comparative Electrophysiology**

**PROGRAM**

**September 18-21, 2008  
St. Petersburg, Russia**

Dear colleagues!

**Registration** of participants of the XXXVth International Congress on Electrocardiology will be held in the Scientific Center of the Russian Academy of Sciences (5, University Emb.) on September, 18 from 10.00 to 18.00, and on following days – in the Palace of Scientists (26, Dvortsovaya Emb.) during the work of the Congress.

**Sessions** of the XXXVth International Congress on Electrocardiology will be held:

- in the **St. Petersburg Scientific Center** of the Russian Academy of Sciences (5, University Emb.) on September, 18 from 14.00 to 18.00;

- in the **Palace of Scientists** (26, Dvortsovaya Emb.) on September, 19 – from 9.00 to 18.00; on September, 20 – from 9.30 to 13.00; on September, 21 – from 9.30 to 13.00.

Participants will have an opportunity to give their brief papers in e-form during the registration.



The Organization Committee requires all participants to follow the time-limit indicated below:

- **Lectures** – 25 min and 5 min for questions and discussion;
- **Plenary reports** – 15 min and 5 min for questions and discussion;
- **Oral presentations** – 10 min and 5 min for questions and discussion.

**Posters** will be presented in the hall of the Palace of Scientists:

- on September, 19 – from 10.00 to 13.00 (Poster Session № 1) and from 15.30 to 18.00 (Poster Session № 2);
- on September, 20 – from 10.00 to 13.00 (Poster Session № 3);

✓ Discussion concerning poster presentations will be held during coffee breaks. The Organization Committee requires authors of posters to be near their presentations during this time.



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URAL DIVISION  
KOMI SCIENCE CENTREBIOLOGY SCIENCES DIVISION  
PHYSIOLOGY SECTION

Laboratory of Comparative Cardiology

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The Official Congress Service Agency  
and Congress Secretariat: MONOMAX



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C. Pastore	<i>Brazil</i>
M. Sobieszczanska	<i>Poland</i>
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2008, September 18th, Thursday



Presidium of St. Petersburg Scientific Center  
of the Russian Academy of Sciences  
5, University Emb.



2008, September 18<sup>th</sup>, Thursday

Presidium of St. Petersburg Scientific Center  
of the Russian Academy of Sciences

14.00 - 14.30

## OPENING CEREMONY

### Welcome address

Michail P. Roshchevsky, *Russia*

President of the XXXV<sup>th</sup> Congress on Electrocardiology

Peter W. Macfarlane, *United Kingdom*

President of International Society of Electrocardiology

Physiology Section, Biology Sciences Division, Russian Academy  
of Sciences

The Government of Saint Petersburg

Musical welcome:

Olga Sosnovskaya (*soprano*), *Russia*

Vladimir Yurkovskiy (*tenor*), *Russia*



**2008, September 18<sup>th</sup>, Thursday**  
Presidium of St. Petersburg Scientific Center  
of the Russian Academy of Sciences

**14.30 - 15.00**

**RIJLANT LECTURE**

Chair person: *P.W. Macfarlane, United Kingdom*

PARADOXES IN ELECTROCARDIOGRAPHIC DIAGNOSIS OF LEFT  
VENTRICULAR HYPERTROPHY: QRS VOLTAGE CRITERIA

*L. Bacharova, Slovakia*

**15.00 – 15.30 Coffee Break**



# 2008, September 18<sup>th</sup>, Thursday

Presidium of St. Petersburg Scientific Center  
of the Russian Academy of Sciences

**15.30 - 17.50 - Plenary Reports**

## **BASIC ELECTROCARDIOLOGY AND MAGNETOCARDIOGRAPHY**

Chair person: *P.W. Macfarlane, United Kingdom*  
*L. De Ambroggi, Italy*

15.30 – 15.50

CLINICAL CHARACTERIZATION AND PROGNOSTIC VARIABLES IN JAPANESE PATIENTS WITH BRUGADA SYNDROME IN COMPARISON WITH EUROPEAN STUDIES (abstract, p. 41)

*M. Hiraoka, Japan*

15.50 – 16.10

ECG AND ECHOCARDIOGRAPHIC FEATURES IN HYPERTENSIVE PATIENTS WITH A HISTORY OF ATRIAL FIBRILLATION (abstract, p. 75)

*R. Nadeau, Canada*

16.10 – 16.30

VAT MAPS IN DIAGNOSING RIGHT BUNDLE BRANCH BLOCKS (abstract, p. 105)

*M. Sobieszczanska, Poland*



## 2008, September 18<sup>th</sup>, Thursday

Presidium of St. Petersburg Scientific Center  
of the Russian Academy of Sciences

16.30 – 16.50

THE DC-SQUID-BASED MAGNETOCARDIOGRAPHIC SYSTEMS FOR  
CLINICAL APPLICATIONS (abstract, p. 67)

*Yu. Maslennikov, Russia*

16.50 – 17.10

NEW ELECTRO/VECTORCARDIOGRAPHIC PATTERN  
DISTINGUISHES ASSOCIATION OF LAFB AND LPFB (abstract, p. 84)

*C.A. Pastore, Brazil*

17.10 – 17.30

50 YEARS SINCE THE «FLASH» TYPE OF VENTRICULAR  
MYOCARDIAL ACTIVATION IN UNGULATE ANIMALS WAS  
DISCOVERED

*I. Roshchevskaya, Russia*

17.30 - 17. 50

HEMODYNAMIC COMPROMISE ASSOCIATED WITH TWIN  
ATRIOVENTRICULAR NODES IN THE POST-OPERATIVE PERIOD  
AFTER FONTAN PALLIATION (abstract, p. 27)

*P. Dorostkar, Canada*

**18.00 - Welcome reception**



2008, September 19<sup>th</sup>, Friday  
Palace of Scientists, Russian Academy of Science



Palace of Scientists Russian Academy of Science  
26, Dvortsovaya Emb.



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

 **WHITE HALL**

**9.00 – 9.30**

**WELCOME TO PALACE OF SCIENTISTS**

Chair person: [M.P. Roshchevsky, Russia](#)

**INFORMATION ABOUT PALACE OF SCIENTISTS**

[A.D. Nozdrachev, Russia](#)

**9.30 – 10.00**

**LECTURE**

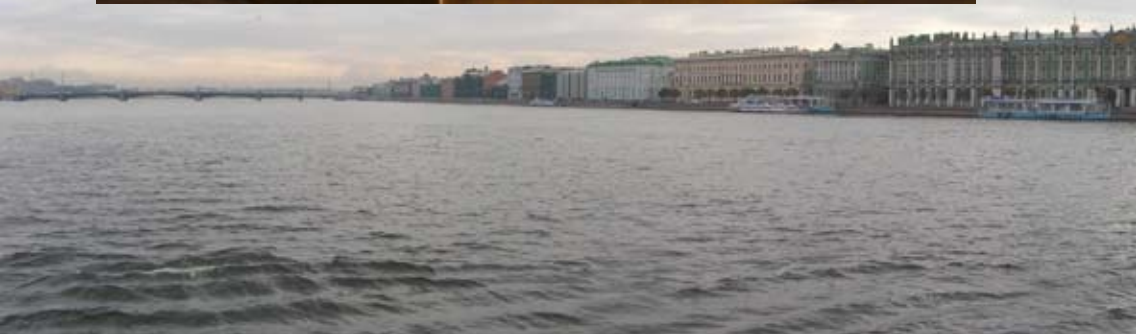
Chair person: [Gy. Kozmann, Hungary](#)

**THE MODELING AND PROCESSING OF ATRIAL  
FIBRILLATION SIGNALS**

[A. van Oosterom, Netherlands/Switzerland](#)

**10.00 – 10.30 – Coffee Break**







2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

 **WHITE HALL**

10.30-12.00

**BIOMATHEMATICS AND BIOPHYSICS  
OF THE CARDIAC ELECTRIC FIELD,  
COMPUTER SIMULATION**

Chair person: *L. Titomir, Russia*  
*M. Tyšler, Slovakia*

10.30-10.45

IDENTIFICATION OF LOCAL REPOLARIZATION CHANGES IN THE  
HEART BY AN INVERSE SOLUTION WITH TWO DIPOLES (abstract,  
p. 109)

*M. Tyšler, Slovakia*

10.45-11.00

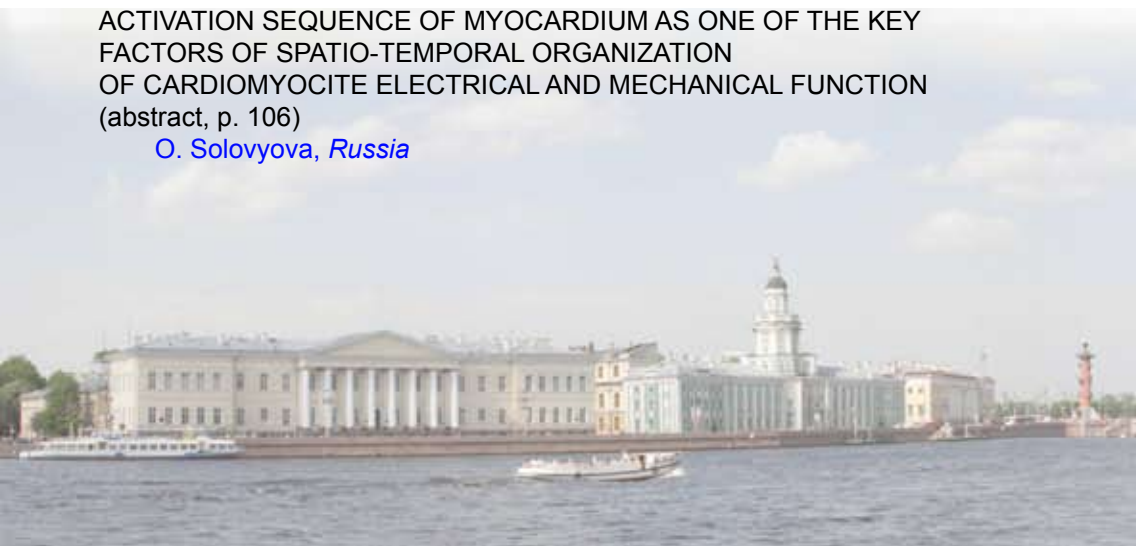
BSPM-BASED ASSESSMENT OF BEAT-TO-BEAT ACTIVATION  
AND REPOLARIZATION DYNAMICS

*Gy. Kozmann, Hungary*

11.00-11.15

ACTIVATION SEQUENCE OF MYOCARDIUM AS ONE OF THE KEY  
FACTORS OF SPATIO-TEMPORAL ORGANIZATION  
OF CARDIOMYOCYTE ELECTRICAL AND MECHANICAL FUNCTION  
(abstract, p. 106)

*O. Solovyova, Russia*



**2008, September 19<sup>th</sup>, Friday**  
Palace of Scientists, Russian Academy of Science

11.15-11.30

NONINVASIVE VISUALIZATION OF THE CARDIAC  
ELECTROPHYSIOLOGICAL CHARACTERISTICS BY MULTIPOLE  
ELECTROCARDIOTOPOGRAPHY FOR RECOGNITION  
OF MYOCARDIAL INFARCTION (abstract, p. 111)

*L. Titomir, Russia*

11.30-11.45

RESPIRATORY AND POSTURAL CHANGES OF THE INTEGRAL BODY  
SURFACE POTENTIAL MAPS IN BEAT-TO-BEAT PRESENTATION  
(abstract, p. 110)

*V. Szathmary, Slovakia*

11.45-12.00

ON THE RELIABILITY OF CARDIAC RECOVERY MAPS FROM  
EXTRACELLULAR MARKERS (abstract, p. 21)

*P. Colli Franzone, Italy*

**12.00 – 14.00 – Lanch**

**12.00 – 14.00 – ISE Council Meeting**



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

👉 **SMALL LECTURE HALL**

10.30-12.00

**CLINICAL ECG, CLINICAL  
ELECTROPHYSIOLOGY OF ARRHYTHMIAS, HEART  
RATE REGULATION**

Chair person: [L. Bacharova, Slovakia](#)  
[R. Nadeau, Canada](#)

10.30-10.45

ELECTROPHYSIOLOGICAL EVALUATION OF NATURE OF THE HEART  
RHYTHM FORMATION (abstract, p. 91)

[V. Pokrovskii, Russia](#)

10.45-11.00

PERTINENT SIGNAL-AVERAGED ECG PARAMETERS SELECTION  
FOR RECOGNITION OF SUSTAINED VENTRICULAR TACHYCARDIA  
(abstract, p. 43)

[Z. Szymanski, Poland](#)

11.00-11.15

EFFECTS OF BIVENTRICULAR PACING ON ELECTROCARDIO-  
GRAPHIC AND VECTORCARDIOGRAPHIC PARAMETERS – ASSOCIA-  
TION WITH VENTRICULAR ARRHYTHMIAS ON FOLLOW-UP (abstract,  
p. 26)

[P. Dilaveris, Greece](#)



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

11.15-11.30

A METHOD FOR GRAPHICAL PRESENTATION OF LOCATION AND EXTENT OF AREA AT RISK ESTIMATED FROM ST SEGMENT DEVIATIONS IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION (abstract, p. 9)

[L. Bacharova, Slovakia](#)

11.30-11.45

THE SYSTEMIC CARDIAC AMYLOIDOSES: DIFFERENCES IN ELECTROCARDIOGRAPHIC PROFILES AND CLINICAL COURSES (abstract, p. 92)

[C. Rapezzi, Italy](#)

11.45-12.00

THE ROLE OF ELECTROCARDIOGRAPHY IN DIAGNOSTIC OF VENTRICULAR ASYMMETRICAL HYPERTROPHY (abstract, p. 112)

[M.I. Alexeeva, Russia](#)

**12.00 – 14.00 – Lunch**

**12.00 – 14.00 – ISE Council Meeting**



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

## OAK HALL

10.00 – 12.00 – Poster Session

### **EXPERIMENTAL AND CLINICAL APPLICATION OF BODY SURFACE POTENTIAL MAPPING. MAGNETOCARDIOGRAPHY**

**P01** EARLY VENTRICULAR REPOLARIZATION (J WAVE): ASSOCIATION WITH OTHER REPOLARIZATION FEATURES (abstract, p. 22)

[A.D. Corlan](#), [M.B. Horacek](#), [L. De Ambroggi](#), *Romania, Canada, Italy*

**P02** EFFECTS OF OBESITY ON REPOLARIZATION PARAMETERS OF THE CARDIAC ELECTRIC FIELD (abstract, p. 94)

[V. Regecova](#), [E. Kellerova](#), [E.A.I. Aidu](#), *Slovakia, Russia*

**P03** ELECTROCARDIOGRAPHIC QUANTIFICATION OF THE INFARCT LESION DURING THE COURSE OF MYOCARDIAL INFARCTION (abstract, p. 123)

[P. Vesterinen](#), [M. Kylmala](#), [M. Stenroos](#), [J. Dabek](#), [M. Lindholm](#), [H. Vaananen](#), [M. Holmstrom](#), [K. Lauerma](#), [L. Toivonen](#), *Finland*



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

**P09** NONDIPOLARITY OF T-WAVE IN INITIAL PHASE OF ACUTE MYOCARDIAL INFARCTION. A COMPUTER SIMULATION WITH ECGSIM (abstract, p. 50)

[M. Kesek](#), [O. Gustavsson](#), [U. Wiklund](#), *Sweden*

**P05** FETAL MAGNETOCARDIOGRAPH DESIGNED FOR UNSHIELDED ENVIRONMENTS (abstract, p. 16)

[N.A. Bondarenko](#), [V.M. Zakosarenko](#), [P. Van Leeuwen](#), [S. Schiermeier](#), [D. Groenemeyer](#), [W. Hatzmann](#), [H.-G. Meyer](#), *Germany*

**P06** MAGNETOCARDIOGRAPHIC P-WAVE INTEGRAL MAPPING IN MITRAL REGURGITATION (abstract, p. 121)

[A.V. Vasnev](#), [Yu.V. Maslennikov](#), *Russia*

**P07** MAGNETOCARDIOGRAPHIC STUDY OF STRETCH-INDUCED CHANGES IN CONDUCTION VELOCITY IN THE RIGHT VENTRICLE DURING SHORT-TERM HEMODYNAMIC OVERLOAD (abstract, p. 120)

[A.V. Vasnev](#), [Yu.V. Maslennikov](#), [M.A. Primin](#), *Russia*



2008, September 19<sup>th</sup>, Friday

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**P08** ALGORITHMS FOR THE FETAL CARDIAC SIGNAL EXTRACTION FROM THE SYNCHRONOUS MULTICHANNEL ELECTROCARDIOTOPOGRAPHIC ABDOMINAL DATA (abstract, p. 55)

[N. Kolomeyets](#), [A.S. Kuzivanova](#), [M.P. Roshchevsky](#), [M.A. Murashko](#), [I.M. Roshchevskaya](#), *Russia*

**P09** EFFECT OF ACUTE HYPOXIA ON ELECTRIC ACTIVITY OF HUMAN HEART (abstract, p. 11)

[A.V. Baranov](#), [M.I. Bocharov](#), [S.V. Strelnikova](#), [N.I. Panteleeva](#), [I.M. Roshchevskaya](#), *Russia*

**P10** BODY SURFACE POTENTIAL MAPPING DURING VENTRICULAR DEPOLARIZATION OF SPORTSMEN AND NON-TRAINED MEN (abstract, p. 107)

[S.V. Strelnikova](#), [N.I. Panteleeva](#), [I.M. Roshchevskaya](#), [M.P. Roshchevsky](#), *Russia*



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

**P11** BODY SURFACE POTENTIAL MAPPING DURING VENTRICULAR REPOLARIZATION IN SPORTSMEN AND NONTRAINED PEOPLE (abstract, p. 83)

[N.I. Panteleeva](#), [S.V. Strelnikova](#), [I.M. Roshchevskaya](#),  
[M.P. Roshchevsky](#), *Russia*

**P12** MORPHOLOGICAL AND FUNCTIONAL FEATURES OF HEART OF CHILDREN SUFFERING FROM BRONCHIAL ASTHMA (abstract, p. 30)

[I.V. Fishman](#), [M.E. Morotskaya](#), [I.M. Roshchevskaya](#), *Russia*

**P13** SATRO – A NEW METHOD OF EXAMINING THE CARDIOELECTRIC FIELD (abstract, p. 42)

[J.S. Janicki](#), [J.K. Jagielski](#), [M. Sobieszczanska](#), [L. Rusiecki](#),  
[M.K. Chapinski](#), [L.J. Janicki](#), *Poland*

**12.00 – 14.00 – Lunch**

**12.00 – 14.00 – ISE Council Meeting**



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

## OAK HALL

10.00 – 12.00 – Poster Session

### **CLINICAL ECG, SIGNAL AVERAGED ECG, PACING, DEFIBRILLATORS**

**P14** NEGATIVE SEQUENCE VOLTAGES EVALUATION OF VENTRICLES IN PATIENTS WHO RECEIVED CORONARY ARTERY BYPASS GRAFT SURGERY (abstract, p. 18)

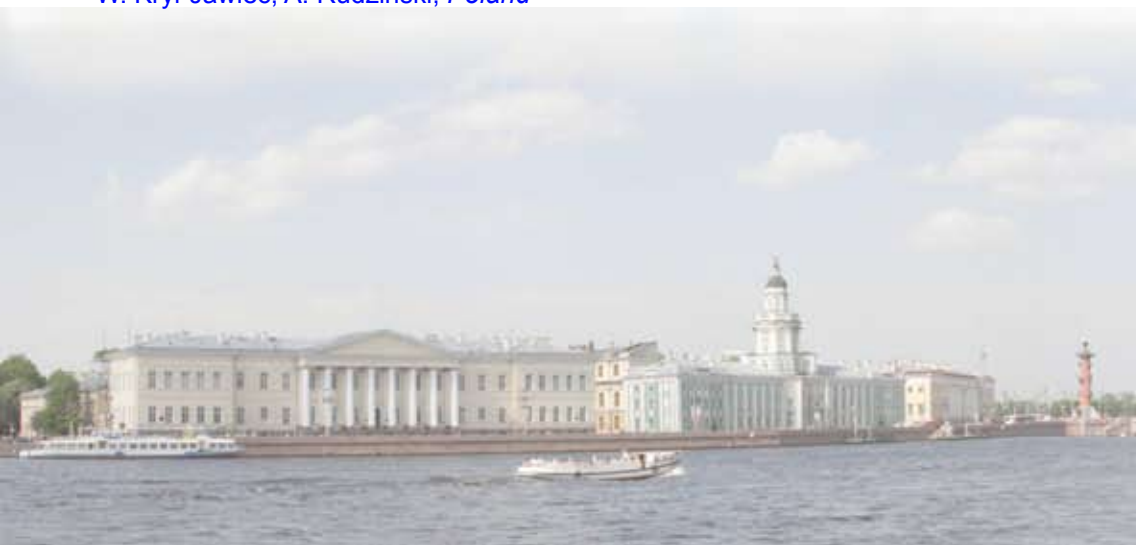
[W. Carson](#), [J.C. Hsu](#), [S.H. Chu](#), [Y.Z. Tseng](#), *Taiwan*

**P15** NEGATIVE SEQUENCE VOLTAGES EVALUATION OF ATRIA IN PATIENTS WHO RECEIVED CORONARY ARTERY BYPASS GRAFT SURGERY (abstract, p. 17)

[W. Carson](#), [J.C. Hsu](#), [S.H. Chu](#), [Y.Z. Tseng](#), *Taiwan*

**P16** INFLUENCE OF LEFT VENTRICLE AFTERLOAD ON DEPOLARIZATION AND REPOLARISATION PARAMETERS IN CHILDREN WITH AORTIC VALVE STENOSIS (abstract, p. 88)

[B.J. Pietrucha](#), [E. Olczykowska-Siara](#), [B. Zaluska-Pitak](#),  
[W. Kryl-Jawiec](#), [A. Rudzinski](#), *Poland*



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

**P17** EVALUATION OF VARIABILITY OF ESCAPE RHYTHM IN CHILDREN WITH CONGENITAL COMPLETE ATRIO – VENTRICULAR BLOCK (abstract, p. 89)

[B.J. Pietrucha](#), E. Olczykowska-Siara, J. Oko-Lagan, A. Rudzinsk, *Poland*

**P18** PECULIARITIES OF ECG CHANGES IN ANTERIOR LEADS V1-4 AT PATIENTS WITH MYOCARDIAL INFARCTION DUE TO LCX OR RCA OCCLUSION (abstract, p. 100)

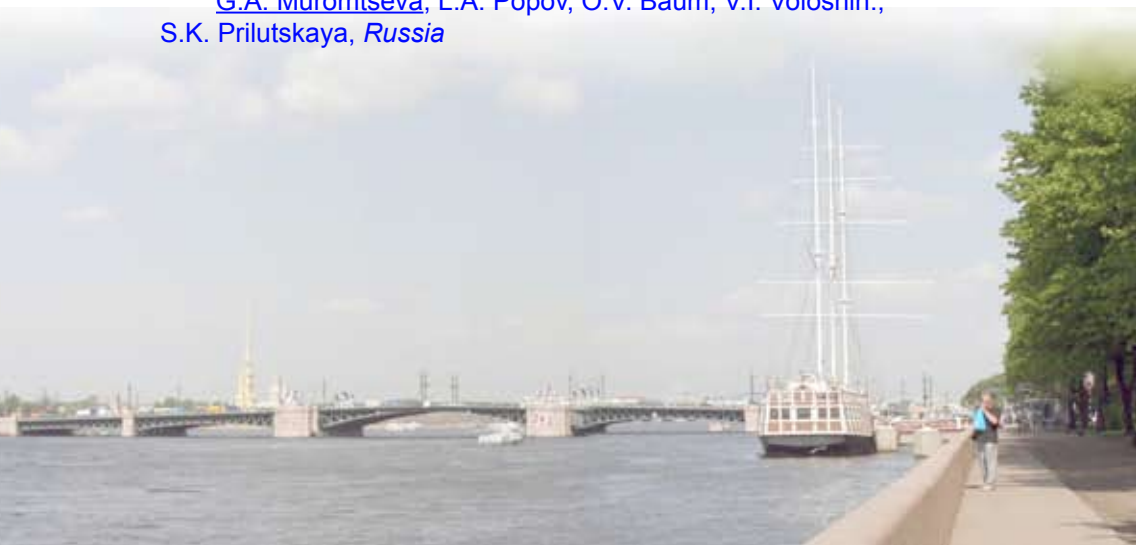
[I. Serafinovich](#), *Belarusia*

**P19** DISPARITY OF REST ECHO CG AND 12-LEAD ECG IN TOPICAL DIAGNOSTICS OF ANTERIOR NON Q WAVE MYOCARDIAL INFARCTION (abstract, p. 47)

D. Karnaliuk, I. [Serafinovich](#), V. Snegicky, T. Dolgoshey, T. Liskovich, V. Denisovich, *Belarusia*

**P20** VENTRICLE REPOLARIZATION IN NORMAL AND ABNORMAL CARDIAC CONDITIONS REFLECTED BY GENERALIZED QTA AND TPTE ELECTROCARDIOGRAPHIC INTERVALS (abstract, p. 74)

[G.A. Muromtseva](#), L.A. Popov, O.V. Baum, V.I. Voloshin., S.K. Prilutskaya, *Russia*



# 2008, September 19<sup>th</sup>, Friday

## Palace of Scientists, Russian Academy of Science

**P21** DIABETES MELLITUS, CHRONIC MYOCARDIAL INFARCTION AND ELECTRICAL INSTABILITY (abstract, p. 73)

[I. Mozos](#), [M. Hancu](#), [A. Cristescu](#), *Romania*

**P22** ELECTROCARDIOGRAPHIC LEFT VENTRICULAR HYPERTROPHY IN HEMODEIALYSIS PATIENTS CAN OFTEN BE REVERSIBLE? (abstract, p. 68)

[H. Matsuo](#), [K. Ito](#), [Y. Andoh](#), [K. Nakamura](#), *Japan*

**P23** ECG MANIFESTATIONS IN PATIENTS WITH ACUTE ISCHEMIC STROKE (abstract, p. 65)

[Z. Marcetic](#), [D. Djikic](#), [T. Novakovic](#), [B. Dejanovic](#), [V. Peric](#), *Pristina/Gracanica Serbia*

**P24** HEART RATE AND BLOOD PRESSURE RESPONSE TO EXERCISE IN MITRAL VALVE PROLAPSE. ROLE OF CATECHOLAMINES (abstract, p. 103)

[E.P. Silva](#), [M.M. Pedro](#), [L. Neves](#), [M.J. Gato Varela](#), [M.P. Bicho](#), [M.G. Lopes](#), *Portugal*

**P25** THE CLINICAL SIGNIFICANCE OF CONDITIONS PRESENTING WITH ECG CHANGES MIMICKING ACUTE MYOCARDIAL INFARCTION (abstract, p. 124)

[M. Yahalom](#), [M. Gellerman](#), [A. Wishniak](#), [M. Brezins](#), [N. Fridman](#), [A. Vazan](#), [M. Nasser](#), [F. Nassar](#), [N. Roguin](#), *Israel*



# 2008, September 19<sup>th</sup>, Friday

## Palace of Scientists, Russian Academy of Science

**P26** THE CASE OF TAKOTSUBO CARDIOMYOPATHY IN PATIENT WITH CORONARY HEART DISEASE (abstract, p. 56)

[D.A. Konyushenko](#), [A.N. Kulikov](#), [M.B. Nagorny](#), [V.Y. Sukhov](#), [I.S. Zheleznyak](#), *Russia*

**P27** ORGANIC HEART DISEASE IS AN IMPORTANT MORTALITY PREDICTOR FACTOR AMONG PATIENTS PRESENTING WITH SYNCOPE OF UNKNOWN ORIGIN (abstract, p. 34)

[K. Gatzoulis](#), [G. Karystinos](#), [T. Gialernios](#), [P. Dilaveris](#), [H. Sotiropoulos](#), [A. Synetos](#), [P. Arsenos](#), [I. Kallikazaros](#), [C. Stefanadis](#), *Greece*

**P28** INFLUENCE OF ACTIVE MEDICAL OBSERVATION ON THE COURSE OF THE DISEASE AND CLINICAL OUTCOMES OF PATIENTS WITH ATRIAL FIBRILLATION (abstract, p. 36)

[S.I. Getman](#), *Russia*

**P29** HOW DOES NEW-ONSET ATRIAL FIBRILLATION AFFECT THE OUTCOME OF PATIENTS WITH NON-ISCHEMIC DILATED CARDIOMYOPATHY AND AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (abstract, p. 40)

[E. Hatzinikolaou-Kotsakou](#), *Greece*

**12.00 – 14.00 – Lanch**

**12.00 – 14.00 – ISE Council Meeting**



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

## WHITE HALL

**14.00 – 15.30**

### **YOUNG INVESTIGATOR'S COMPETITION**

Chair person: *M. Hiraoka, Japan*  
*C. Pastore, Brazil*

14.00-14.15

EARLY REPOLARIZATION SYNDROME AND HEART FAILURE SIGNS  
(abstract, p. 15)

*A. Bobrov, Russia*

14.15-14.30

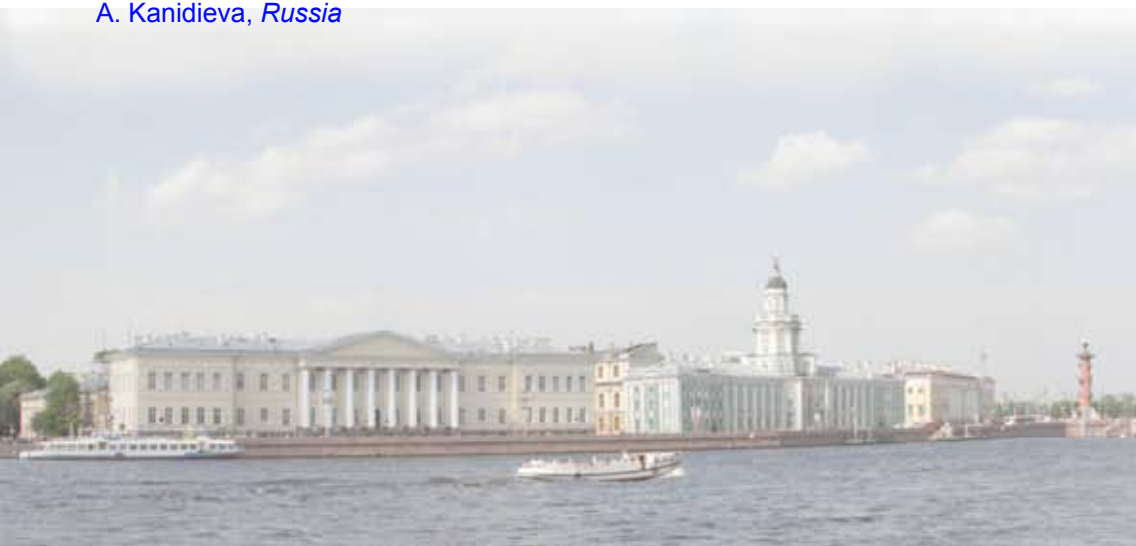
CLINICAL SIGNIFICANCE OF ELECTROCARDIOGRAM PATTERN IN  
PATIENTS WITH BUNDLE BRANCH BLOCK (abstract, p. 32)

*M. Fukushima, Japan*

14.30-14.45

SURFACE ATRIAL FREQUENCY ANALYSIS IN PATIENTS WITH ATRIAL  
FIBRILLATION: PREDICTION OF CATHETER ABLATION EFFECTS  
(abstract, p. 46)

*A. Kanidieva, Russia*



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

14.45-15.00

FEATURES OF NON-ST-SEGMENT ELEVATION ACUTE CORONARY SYNDROME IN WOMEN (abstract, p. 48)

[D. Katagarov, \*Russia\*](#)

15.00-15.15

COMPARISON OF SEROTONIN AND CATECHOLAMINES IN CONTRACTION REGULATION OF MYOCARDIUM IN FAILING HUMAN HEART (abstract, p. 53)

[V. Kirillova, \*Russia\*](#)

15.15-15.30

BODY SURFACE POTENTIAL MAPPING DURING VENTRICULAR DEPOLARIZATION OF PREGNANT WOMEN (abstract, p. 60)

[A. Kuzivanova, \*Russia\*](#)

**15.30 – 16.00 – Coffee Break.**



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

 **WHITE HALL**

**16.00 – 18.00**

**7<sup>TH</sup> INTERNATIONAL SYMPOSIUM**

**ON COMPARATIVE ELECTROCARDIOLOGY**

Chair person: *A. van Oosterom, Netherlands/Switzerland*  
*I. Roshchevskaya, Russia*

16.00-16.15

BODY SURFACE CARDIOELECTRIC FIELD OF NESTLINGS WITH  
NORMAL BODY TEMPERATURE AND DURING COOLING  
(abstract, p. 93)

*A. Rasputina, Russia*

16.15-16.30

THE IMPACT OF CHRONIC BETA-ADRENOCEPTOR ACTIVATION ON  
MYOCARDIAL STRUCTURE AND FUNCTION IN RATS (abstract, p.81)

*O. Osadchii, Denmark*

16.30-16.45

CHANGES OF ELECTROCARDIOGRAM IN PIED FLYCATCHER  
NESTLINGS RELATED WITH AGE AND THE FORMATION  
OF A BEHAVIOR (abstract, p. 37)

*T.B. Golubeva, Russia*



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

16.45-17.00

CARDIOELECTRIC FIELD ON BODY SURFACE IN RATS WITH ACUTE MYOCARDIAL INFARCTION ON BACKGROUND OF MYOCARDIAL HYPERTROPHY (abstract, p. 102)

[Yu.V. Shorokhov, Russia](#)

17.00-17.15

VARIABILITY OF INSULIN EFFECTS ON CONTRACTILITY OF THE GROUND SQUIRREL HEART: POSSIBLE MECHANISMS (abstract, p. 76)

[O. Nakipova, Russia](#)

17.17-17.30

THE SEASONAL PECULIARITIES OF MODIFICATION IN FORCE-FREQUENCY RELATIONSHIP OF THE GROUND SQUIRREL MYOCARDIUM UNDER HYPOTHERMIA (abstract, p. 126)

[N. Zakharova, Russia](#)

17.30-17.45

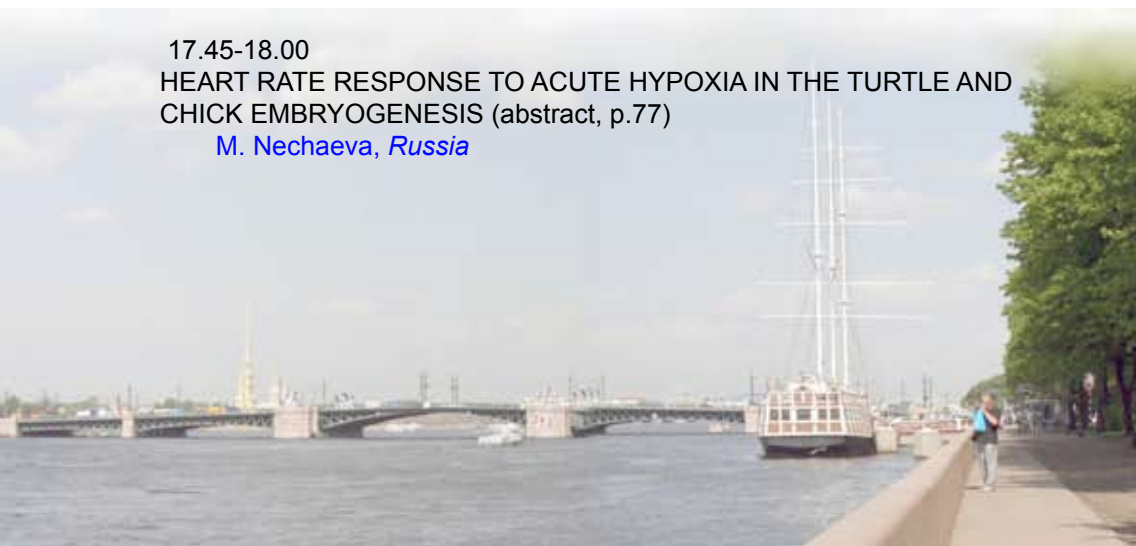
THE CARDIAC ACTIVITY OF TWO SPECIES OF BIVALVE: COMPARATIVE ANALYSIS (abstract, p. 10)

[I. Bakhmet, Russia](#)

17.45-18.00

HEART RATE RESPONSE TO ACUTE HYPOXIA IN THE TURTLE AND CHICK EMBRYOGENESIS (abstract, p.77)

[M. Nechaeva, Russia](#)



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

## SMALL LECTURE HALL

16.00 – 18.00

### BASIC ELECTROPHYSIOLOGY

Chair person: [E. Hatzinikolaou-Kotsakou, Greece](#)  
[C. Rapezzi, Italy](#)

16.00-16.15

ACUTE CORONARY SYNDROME-LIKE ECG AS RISK FACTOR FOR  
DELAYED DIAGNOSIS OF ACUTE AORTIC SYNDROME.

(abstract, p. 62)

[C. Rapezzi, Italy](#)

16.15-16.30

PHASIC RESPONSE OF MYOCARDIAL REPOLARIZATION  
TO VENTRICULAR OVERLOAD (abstract, p. 99)

[J. Azarov, Russia](#)

16.30-16.45

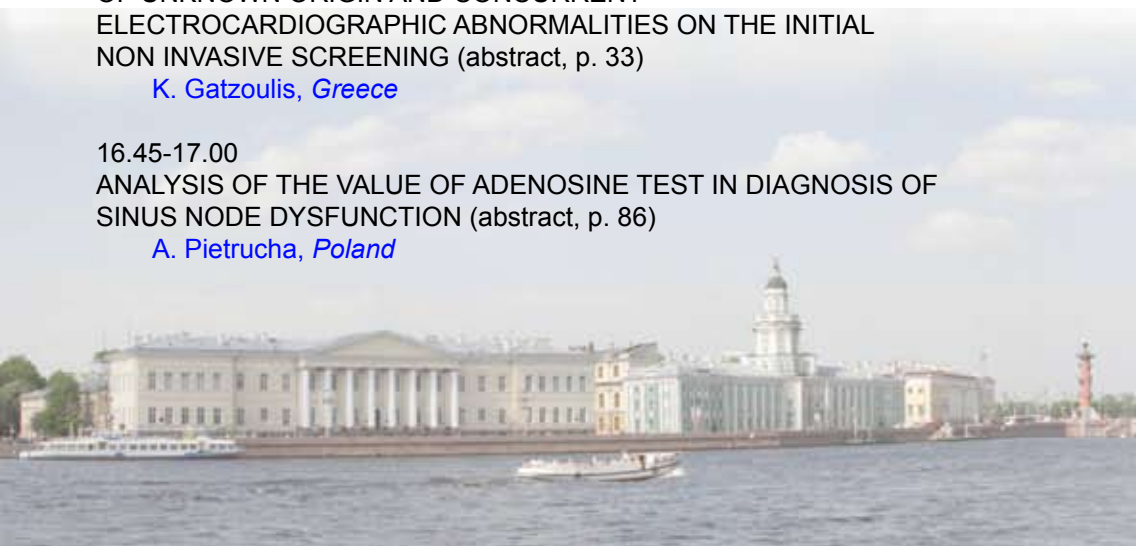
IMPAIRED LONG TERM PROGNOSIS OF PATIENTS WITH SYNCOPE  
OF UNKNOWN ORIGIN AND CONCURRENT  
ELECTROCARDIOGRAPHIC ABNORMALITIES ON THE INITIAL  
NON INVASIVE SCREENING (abstract, p. 33)

[K. Gatzoulis, Greece](#)

16.45-17.00

ANALYSIS OF THE VALUE OF ADENOSINE TEST IN DIAGNOSIS OF  
SINUS NODE DYSFUNCTION (abstract, p. 86)

[A. Pietrucha, Poland](#)



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

17.00-17.15

ANALYSIS OF INFLUENCE OF THE HYPERTROPHIC CARDIOMYOPATHY ON HRV PARAMETERS AND DURATION OF QRS COMPLEXES, QT AND TRANSMYOCARDIAL REPOLARISATION IN CHILDREN (abstract, p. 90)

[B. Pietrucha, Poland](#)

17.15-17.30

NONINVASIVE MARKERS IN IDENTIFYING PATIENTS AT RISK IN THE BRUGADA SYNDROME: STRATIFIERS FOR LIFE THREATENING VENTRICULAR ARRHYTHMIAS AND SUPRAVENTRICULAR ARRHYTHMIAS (abstract, p. 39)

[E. Hatzinikolaou-Kotsakou, Greece](#)

17.30-17.45

VENTRICULAR EPICARDIAL ACTIVATION-TO-REPOLARIZATION COUPLING UNDER HYPERKALEMIA IN THE RABBIT (abstract, p. 7)

[J. Azarov, Russia](#)

17.45-18.00

ON SOME DETAILS IN HEART RATE VARIABILITY DIAGNOSTICS IN PATIENTS WITH CORONARY ARTERY DISEASE (abstract, p. 70)

[T. Mironova, Russia](#)

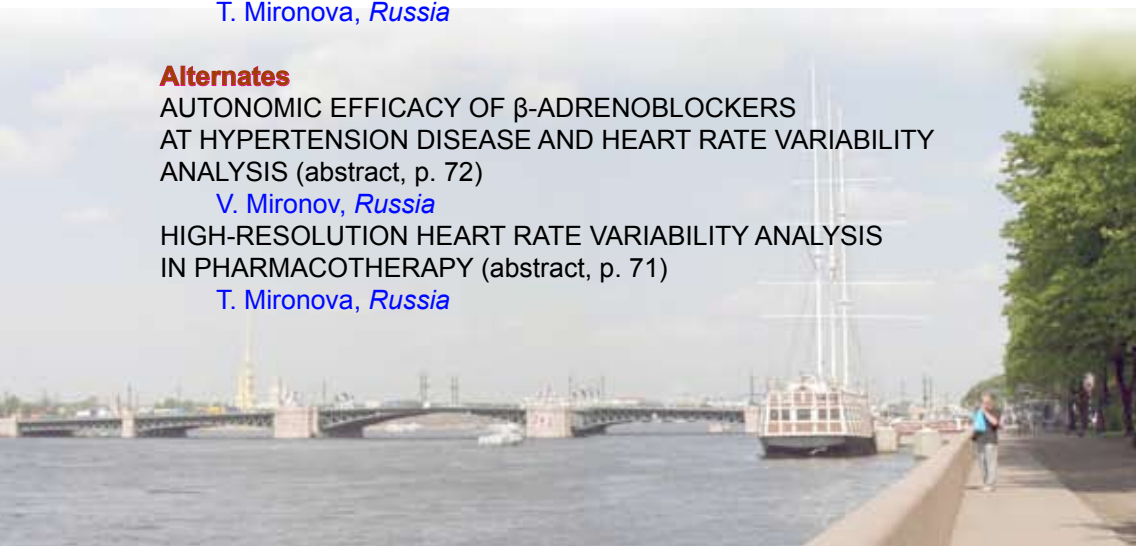
## **Alternates**

AUTONOMIC EFFICACY OF  $\beta$ -ADRENOBLOCKERS AT HYPERTENSION DISEASE AND HEART RATE VARIABILITY ANALYSIS (abstract, p. 72)

[V. Mironov, Russia](#)

HIGH-RESOLUTION HEART RATE VARIABILITY ANALYSIS IN PHARMACOTHERAPY (abstract, p. 71)

[T. Mironova, Russia](#)



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

## OAK HALL

14.00 – 18.00 Poster Session

### 7<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON COMPARATIVE ELECTROCARDIOLOGY

**P30** CHOLINERGIC INEXCITABILITY IN ATRIAL MYOCARDIUM OF LOWER VERTEBRATES (abstract, p. 5)

[D.V. Abramochkin](#), [V.S. Kuzmin](#), [Russia](#)

**P31** ELECTROPHYSIOLOGICAL CHARACTERISTICS OF THE LEFT ATRIUM-PULMONARY VEIN (LA-PV) CARDIOMYOCYTES OBTAINED FROM XIN-ALPHA-KNOCKOUT MOUSE HEART (abstract, p. 19)

[Y.C. Chen](#), [F.C. Chan](#), [Y.J. Lai](#), [C.I. Lin](#), [Taiwan](#)

**P32** CHARACTERISTICS OF *IN VIVO* VENTRICULAR REPOLARIZATION IN RABBITS AND MINIATURE PIGS (abstract, p. 79)

[T. Nishina](#), [K. Ito](#), [M. Kuwahara](#), [H. Tsubone](#), [Japan](#)

**P33** CARDIAC ELECTROPHYSIOLOGICAL PHENOTYPE IN KCNQ1 MUTANT RAT (WTC DEAFNESS KYOTO) (abstract, p. 59)

[M. Kuwahara](#), [T. Yagi](#), [K. Soma](#), [K. Ito](#), [H. Tsubone](#), [Japan](#)

**P34** CHARACTERISTIC OF ADAPTIVE AND COMPENSATORY RESPONSES IN COWS IN CONNECTION WITH SEXUAL CYCLES (abstract, p. 31)

[V.D. Fomina](#), [O.V. Golovlyova](#), [V.I. Maximov](#), [Russia](#)



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

**P35** ELECTRICAL HEART ACTIVITY OF THE NEWBORN CALVES  
(abstract, p. 49)

[A.A. Kazakova](#), [M.P. Roshchevsky](#), [I.M. Roshchevskaya](#), *Russia*

**P36** CARDIOELECTRIC ACTIVITY OF SNAKE'S HEART WHEN HEATING

(abstract, p. 97)

[I. Rutskina](#), [I. Roshchevskaya](#), [N. Litvinov](#), [M. Roshchevsky](#), *Russia*

**P37** OSCILLATIONS IN HEART RATE AND BLOOD PRESSURE IN ANESTHETIZED RATS DURING IMPULSE HEMORRHAGE (abstract, p. 28)

[A.V. Dvornikov](#), [E.V. Runova](#), *Russia*

**P38** THE ARCHITECTURE OF WORKING MYOCARDIUM AND THE MORPHOFUNCTIONAL CHARACTERISTICS OF THE LEFT VENTRICLE OF HEART IN PIGS (abstract, p. 12)

[E. Bartusevich](#), [I. Roshchevskaya](#), [A. Gulyaeva](#), *Russia*

**P39** THE CONTRIBUTION OF MYOCARDIAL LAYERS TO PROPAGATION OF VENTRICULAR EXCITATION IN EXPERIMENTAL AND GENETIC MODELS OF HYPERTENSION (abstract, p. 108)

[O. Suslonova](#), [S. Smirnova](#), [Roshchevskaya](#), *Russia*



# 2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

## OAK HALL

14.00 – 18.00 Poster Session

### BASIC ELECTROPHYSIOLOGY

**P40** THE DISORDER OF HEART RATE AUTONOMICREGULATION OF PATIENTS WITH THE CORONARY HEAT DISEASE AT POSTPRANDIAL PERIOD (abstract, p. 6)

[M. Alexeeva](#), [T. Treshkur](#), *Russia*

**P41** GETTING TOO HIGH: VENTRICULAR FIBRILLATION TRIGGERED BY MARIJUANA USE (abstract, p. 44)

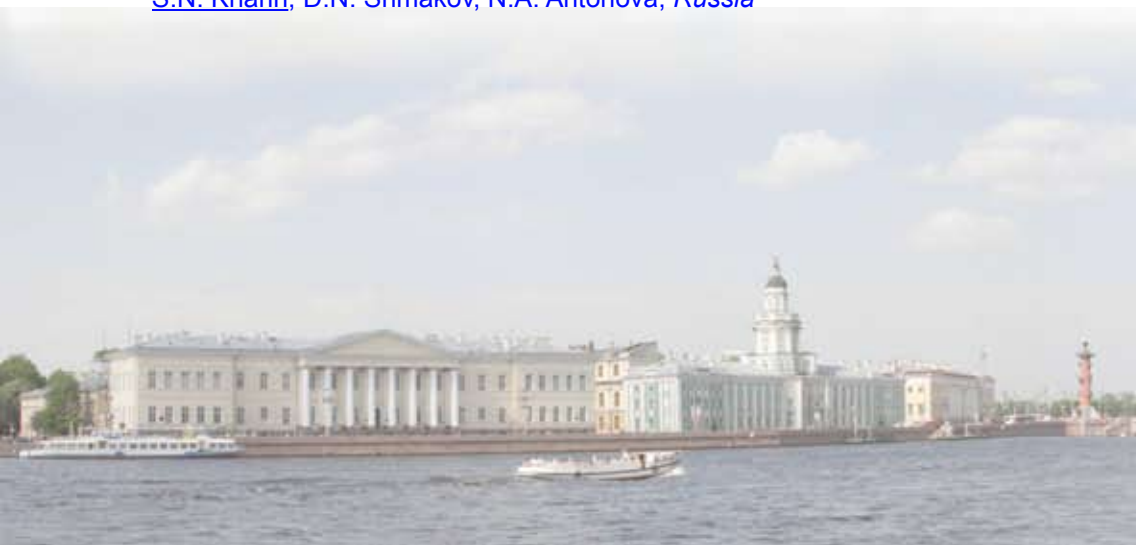
[A.M. Johri](#), [C.S. Simpson](#), [D.P. Redfearn](#), [M. Methot](#), [A. Baranchuk](#), *Canada*

**P42** ARTIFACT INDUCED BRUGADA SYNDROME WITH ST-SEGMENT ELEVATION IN THE LATERAL LEADS (abstract, p. 45)

[J.S. Kang](#), [A.M. Baranchuk](#), *Canada*

**P43** EFFECT OF CARDIAC PACING ON TRANSMURAL VENTRICULAR REPOLARIZATION IN CHICKENS (abstract, p. 51)

[S.N. Kharin](#), [D.N. Shmakov](#), [N.A. Antonova](#), *Russia*



2008, September 19<sup>th</sup>, Friday

Palace of Scientists, Russian Academy of Science

**P44** EFFECTS OF ATRIOVENTRICULAR AND MONOFOCAL PACING OF THE RIGHT VENTRICULAR APEX ON THE PUMP FUNCTION AND REPOLARIZATION OF THE CANINE HEART VENTRICLES

(abstract, p. 52)

[N.A. Kibler](#), [A.S. Tsvetkova](#), [J.E. Azarov](#), [V.P. Nuzhny](#), [D.N. Shmakov](#),  
*Russia*

**P45** VENTRICULAR REPOLARIZATION UNDER THE MONO- AND BIFOCAL ELECTRICAL PACING OF THE CANINE HEART

(abstract, p. 115)

[A.S. Tsvetkova](#), [N.A. Kibler](#), [J.E. Azarov](#), [D.N. Shmakov](#), *Russia*

**P46** THE CASE OF THE BRUGADA SYNDROME WITH FALSE PRESENTATION OF ACUTE CORONARY SYNDROME (abstract, p. 95)

[E.P. Rudyak](#), [A.N. Kulikov](#), [M.V. Zubakova](#), [M.B. Nagorniy](#), *Russia*

**P47** HEART RATE TURBULENCE IN ELDERLY MEN WITH A HIGH CARDIOVASCULAR RISK (abstract, 101)

[A.V. Shabalin](#), [E.N. Guliaeva](#), [A.A. Konovalova](#), *Russia*

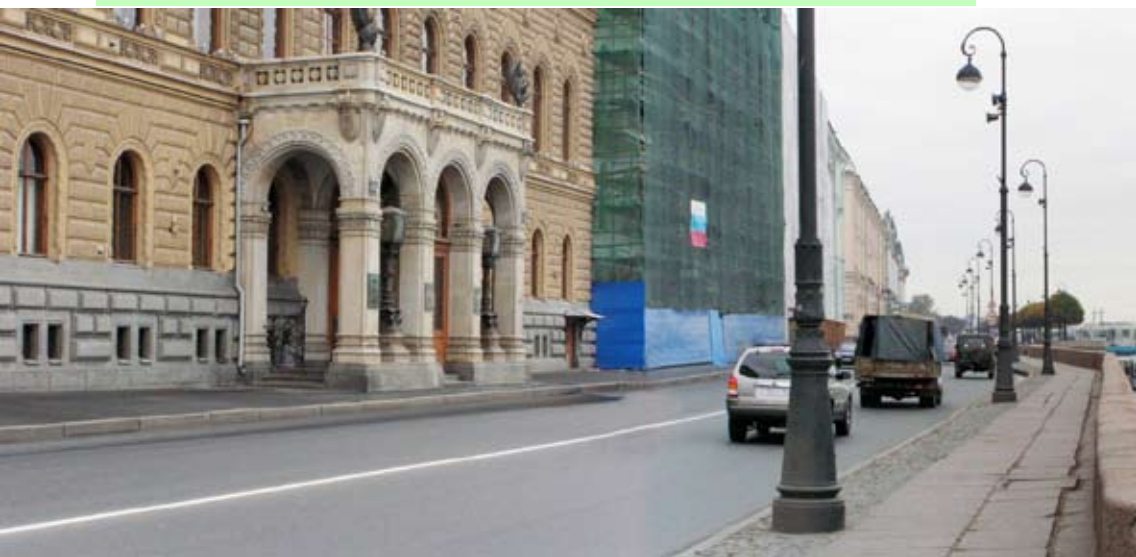


2008, September 20<sup>th</sup>, Saturday

Palace of Scientists Russian Academy of Science



Palace of Scientists Russian Academy of Science  
26, Dvortsovaya Emb.



2008, September 20<sup>th</sup>, Saturday

Palace of Scientists Russian Academy of Science

 **WHITE HALL**

**9.30 – 10.00 – Lecture**

Chair person: [M. Roshchevsky, Russia](#)

THE EARLY REPOLARIZATION PATTERN: CLINICAL IMPLICATIONS  
(abstract, p. 23)

[L. De Ambroggi, Italy](#)

**10.00 – 10.30 – Coffee Break**



# 2008, September 20<sup>th</sup>, Saturday

Palace of Scientists, Russian Academy of Science

## WHITE HALL

**10.30 – 12.30**

### **BASIC ELECTROPHYSIOLOGY**

Chair person: *V. Pokrovskii, Russia*  
*R. Nigmatullina, Russia*

10.30-10.45

MOLECULAR MECHANISMS OF REGULATION OF MYOCARDIUM  
INOTROPIC FUNCTIONS BY 5-HT<sub>2</sub> AND 5-HT<sub>4</sub> RECEPTORS  
IN CHILDREN WITH CONGENITAL HEART DISEASES (abstract, p. 78)

*R. Nigmatullina, Russia*

10.45-11.00

AN APPROACH TO IMPROVE ELECTROCARDIOGRAPHIC CRITERION  
FOR PREDICTING ATRIAL FIBRILLATION IN PATIENTS WITH  
HYPERTROPHIC CARDIOMYOPATHY (abstract, p. 13)

*L. Titomir, Russia*

11.00-11.15

THE SEQUENCE OF THE EXCITATION WAVE SPREADING ON THE  
EPICARDIUM IN THE AREA OF PULMONARY VEINS FALLING INTO  
THE LEFT ATRIUM IN RATS (abstract, p. 104)

*I. Roshchevskaya, Russia*



## 2008, September 20<sup>th</sup>, Saturday

Palace of Scientists, Russian Academy of Science

11.15-11.30

CHAMBER-SPECIFIC EFFECTS OF HYPOKALEMIA ON VENTRICULAR ARRHYTHMOGENICITY IN THE GUINEA-PIG HEART (abstract, p. 80)

[O. Osadchii, Denmark](#)

11.30-11.45

BIOMAGNETIC RISK STRATIFICATION BY QRS FRAGMENTATION IN PATIENTS WITH IMPLANTED CARDIOVERTER DEFIBRILLATORS (abstract, p. 25)

[D. Di Pietro Paolo, Germany](#)

11.45-12.00

DETECTION OF HEART FAILURE BY STRESS ECHOCARDIOGRAPHY WITH HEART RATE PACING (abstract, p. 14)

[A. Bobrov, Russia](#)

12.00-12.15

VAT MAPS IN DETECTING INTRAVENTRICULAR CONDUCTION DISTURBANCES IN CHILDREN WITH CHRONIC RENAL FAILURE (abstract, p. 105)

[M. Sobieszczanska, Poland](#)

12.15-12.30

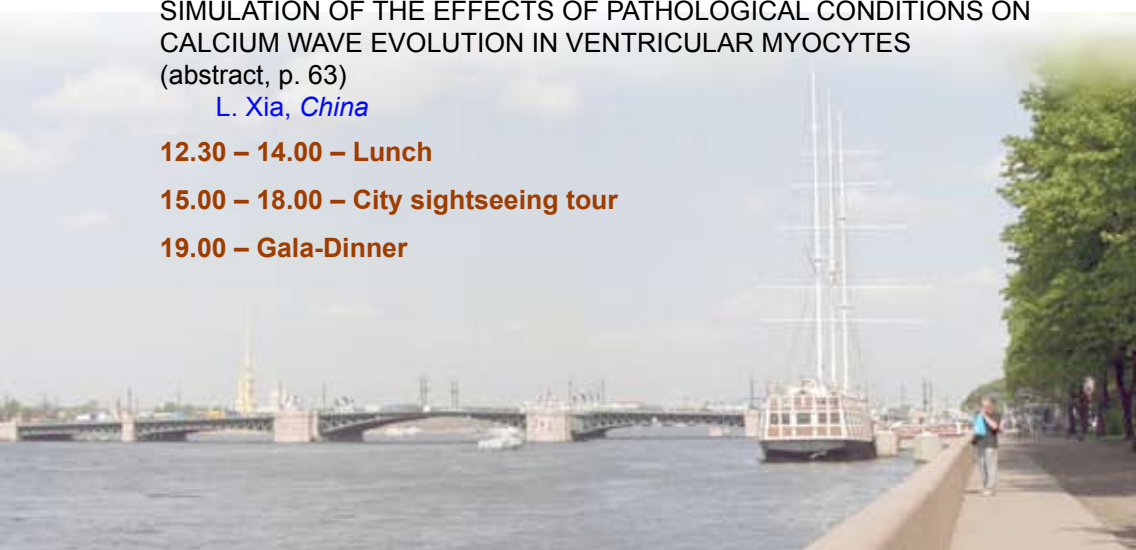
SIMULATION OF THE EFFECTS OF PATHOLOGICAL CONDITIONS ON CALCIUM WAVE EVOLUTION IN VENTRICULAR MYOCYTES (abstract, p. 63)

[L. Xia, China](#)

**12.30 – 14.00 – Lunch**

**15.00 – 18.00 – City sightseeing tour**

**19.00 – Gala-Dinner**



# 2008, September 20<sup>th</sup>, Saturday

Palace of Scientists, Russian Academy of Science

## OAK HALL

10.00 – 12.30 Poster Session

### **CLINICAL ELECTROPHYSIOLOGY OF ARRHYTHMIAS, HOLTER MONITORING, HEART RATE REGULATION**

**P48** HOLTER MONITORING OF ELECTROCARDIOGRAM AT VARIOUS KINDS OF DANGEROUS FOR LIFE AND EXTREME SITUATIONS (abstract, p. 117)

[I.B. Ushakov](#), [J.A. Bubeev](#), *Russia*

**P49** VENTRICULAR TACHYCARDIA OR FIBRILLATION ON EPS IS AN IMPORTANT MORTALITY PREDICTOR FACTOR AMONG PATIENTS PRESENTING WITH SYNCOPE OF UNKNOWN ORIGIN (abstract, p. 35)

[K. Gatzoulis](#), [G. Karystinos](#), [T. Gialernios](#), [H. Sotiropoulos](#), [S. Sideris](#), [P. Dilaveris](#), [P. Arsenos](#), [I. Kallikazaros](#), [C. Stefanadis](#), *Greece*

**P50** HEART RATE TURBULENCE IN PATIENTS WITH ISCHEMIC POLYMORPHIC VENTRICULAR ECTOPIA (abstract, p. 116)

[A.A. Tsvetnikova](#), [E.R. Bergardt](#), [E.V. Parmon](#), [N.I. Ananieva](#), [T.V. Treshkur](#), *Russia*



# 2008, September 20<sup>th</sup>, Saturday

Palace of Scientists, Russian Academy of Science

**P51** USEFULNESS OF THE PORTABLE ECG MONITORING, HCG-801 IN CLINICAL PRACTICE– COMPARISON WITH 12-LEAD ECG (abstract, p. 82)

[Y. Ozawa](#), Y. Kasamaki, K. Iijima, M. Ota, A. Shindo, I. Watanabe, A. Hirayama, K. Yamada, M. Masuno, K. Kusumoto, *Japan*

**P52** A PRELIMINARY STUDY OF SHORT TERM HRV ANALYSIS OF A TAIWANESE MVPS POPULATION (abstract, p. 113)

[L.W. Tsai](#), I.F. Yang, M.H. Chou, T.F. Yang, *Taiwan*

**P53** COMPARISON OF SHORT TERM AND 24 HOURS AMBULATORY HRV IN TAIWANESE MVPS PATIENTS (abstract, p. 114)

[L.W. Tsai](#), I.F. Yang, M.H. Chou, T.F. Yang, *Taiwan*

**P54** RR INTERVAL HISTOGRAM IN PATIENTS WITH PERMANENT ATRIAL FIBRILLATION AND AFTER RADIOFREQUENCY CATHETER ABLATION (abstract, p. 118)

[R. Vaiciulyte](#), A. Puodziukynas, V. Sileikis, T. Kazakevicius, *Lithuania*

**PP55** HOT BALLOON FOR ISOLATING THE POSTERIOR LEFT ATRIUM INCLUDING PULMONARY VEINS TO TREAT ATRIAL FIBRILLATION (abstract, p. 98)

[S. Satake](#), H. Sohara, H. Takeda, H. Ueno, *Japan*



# 2008, September 20<sup>th</sup>, Saturday

Palace of Scientists, Russian Academy of Science

**P56** COMPARISON BETWEEN ANGIOTENSIN CONVERTING ENZYME INHIBITOR AND ANGIOTENSIN RECEPTOR BLOCKER ON CARDIOVASCULAR TOLERANCE AFTER HEMODIALYSIS: HEART RATE VARIABILITY AND QT INTERVAL ANALYSIS (abstract, p. 125)

[I.F. Yang](#), [L.W. Tsai](#), [T.F. Yang](#), *Taiwan*

**P57** SLEEP APNEA IN PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD) (abstract, p. 69)

[W.F. McIntyre](#), [D. Campbell](#), [J.W. Kim](#), [C.S. Simpson](#), [D.P. Redfearn](#), [M. Fitzpatrick](#), [W.M. Hopman](#), [A. Baranchuk](#), *Canada*

**P58** ADVANTAGES OF 12-LEAD CONTINUOUS ECG MONITORING IN ASSESSMENT OF THROMBOLYTIC THERAPY (abstract, p. 24)

[M.M. Demidova](#), [V.M. Tichonenko](#), [N.N. Burova](#), *Russia*

**P59** ELECTROPHYSIOLOGICAL EFFECTS REGISTERED IN HEART AT ANODAL SECTION OF VAGUS NERVES IN CONSCIENCE DOG (p. 54)

[M.S. Klykova](#), [V.M. Pokrovskij](#), *Russia*



# 2008, September 20<sup>th</sup>, Saturday

Palace of Scientists, Russian Academy of Science

**P60** DEPENDENCE ON DURATION OF A PREAUTOMATIC PAUSE AT THE ANODAL BLOCK FROM INITIAL PARAMETERS OF THE HEART RATE VARIABILITY (abstract, p. 38)

[D.V. Gurbich](#), [V.M. Pokrovskij](#), *Russia*

**P61** EVALUATION OF CLINICAL VALUE OF DECREASED INTRINSIC HEART RATE IN PATIENTS WITH SUSPECTED SINUS NODE DYSFUNCTION AND CORONARY ARTERY DISEASE (abstract, p. 87)

[A.Z. Pietrucha](#), [W. Piwowarska](#), *Poland*

**P62** AUTOMATISM OF SINUS NODE IN PATIENTS WITH VASO-VAGAL SYNCOPE (abstract, p. 85)

[A.Z. Pietrucha](#), [M. Wnuk](#), [E. Wojewodka-Zak](#), [M. Wegrzynowska](#), [D. Mroczek-Czernecka](#), [I. Bzukala](#), [E. Konduracka](#), [W. Piwowarska](#), *Poland*

**P63** DYNAMICS OF THE ELECTRICAL ACTIVITY IN THE FORM OF A VORTEX WITH STRAIGHT OR U-SHAPED FILAMENTS DURING TACHYSYSTOLIA ATTACKS (abstract, p. 58)

[N.I. Kukushkin](#), [K.N. Gorbacheva](#), [A.N. Sklifas](#), *Russia*

**P64** HEART RATE VARIABILITY AT NONAGENARIANS (abstract, p. 20)

[N.A. Chermnykh](#), [N.A. Igoshina](#), *Russia*



2008, September 21<sup>th</sup>, Sanday



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2008, September 21th, Sanday

Palace of Scientists, Russian Academy of Science

 **WHITE HALL**

**9.30 – 10.00 – Lecture**

Chair person: *A. van Oosterom, The Netherlands/Switzerland*

**AUTOMATED ECG ANALYSIS 2008: GUIDELINES / UPDATE**

*P.W. Macfarlane, United Kingdom*

**10.00 – 10.30 – Coffee Break**



# 2008, September 21<sup>th</sup>, Sunday

Palace of Scientists, Russian Academy of Science

## WHITE HALL

10.30 – 11.30

### EXPERIMENTAL AND CLINICAL APPLICATION OF BODY SURFACE POTENTIAL MAPPING

Chair person: *A. van Oosterom, The Netherlands/Switzerland*  
*L. Bacharova, Slovakia*

10.30-10.45

ISOCHRONE BODY SURFACE MAPS IN DETECTING HEART ISCHEMIA IN DIABETES MELLITUS (abstract, p. 96)

*M. Sobieszczanska, Poland*

10.45-11.00

AGE AND SEX VARIABILITY OF VENTRICULAR ACTIVITY ISOINTEGRAL MAPS IN YOUNG PEOPLE (abstract, p. 66)

*J. Martinka, Slovakia*

11.00-11.15

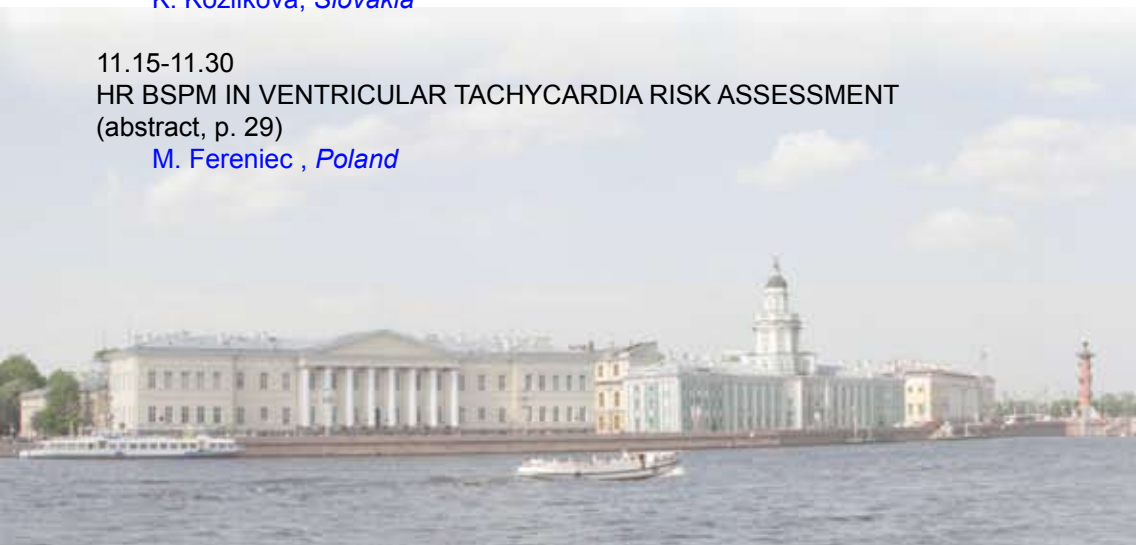
SIMILARITY OF ISOPOTENTIAL AND ISOINTEGRAL P WAVE MAPS (abstract, p. 57)

*K. Kozlikova, Slovakia*

11.15-11.30

HR BSPM IN VENTRICULAR TACHYCARDIA RISK ASSESSMENT (abstract, p. 29)

*M. Fereniec, Poland*



2008, September 21<sup>th</sup>, Sunday

Palace of Scientists, Russian Academy of Science

**11.30 – 12.00**

**ISE GENERAL ASSEMBLY**

**12.00 – 13.00**

**CLOSING AND FAREWELL FEATURE, ICE 2009**



## THE PARTICIPANT'S CULTURAL PROGRAM

- 18, September 2008 14.00. Opening ceremony
- 18, September 2008 18.00. Welcome Cocktail
- 20, September 2008 15.00. City sightseeing tour
- 21, September 2008 12.00. Closing & Farewell Feature,  
ICE 2009

## ACCOMPANYING PERSON'S CULTURAL PROGRAM

- 18, September 2008 14.00. Opening ceremony
- 18, September 2008 18.00. Welcome Cocktail
- 19, September 2008 14.00. Excursion to the State Hermitage  
Museum
- 20, September 2008 15.00. City sightseeing tour
- 21, September 2008 12.00. Closing & Farewell Feature,  
ICE 2009



Dear participants of the International Congress on Electrocardiology, there are additional excursion tours in St. Petersburg offered by Monomax. Information about tours could be received during registration at the Congress or on the Congress website: <http://www.onlinereg.ru/ICE2008>.



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