



THE PROGRAMME OF THE NATIONAL CONFERENCE WITH
INTERNATIONAL PARTICIPATION

E-HEALTH AND BIOENGINEERING

- EHB 2009 -

Second edition

IAȘI - CONSTANȚA, 17-18th SEPTEMBER, 2009

Strengthening the interdisciplinary synergy between medical and
technical practitioners for a better healthcare

Hosted by OVIDIUS University, Constanța
Faculty of Dental Medicine
Aleea Universității 1, Constanța, Romania

website: www.bioinginerie.ro/ehb2009

Organized by:

- **Gr. T. Popa University of Medicine and Pharmacy, Iași, Romania - Faculty of Medical Bioengineering (UMF)**
- **The Romanian Society for Medical Bioengineering (Iași)**
- **Ovidius University, Constanța**
- **Institute of Computer Science, Romanian Academy - Iași Branch**

Under the aegis of: IEEE-EMBS – Romanian Section

Honorary chairman: Prof. em. dr. eng. Helmut HUTTEN –
University of Technology, Graz, Austria

Chairman:

Prof. Hariton N. COSTIN

Gr. T. Popa University of Medicine and Pharmacy, Iași

Co-chairman:

Assoc. Prof. Radu CIORAP

Gr. T. Popa University of Medicine and Pharmacy, Iași

International Scientific Committee:

(in alphabetical order)

| | |
|--|--|
| Prof. Metin Akay – Arizona State University, USA | Prof. Ioana Moisil – Sibiu, RO |
| Prof. Corneliu Amariei – Constanța, RO | Prof. Alexandru Morega – Bucharest, RO |
| Prof. Vasile Astărăstoae – UMF Iași, RO | Prof. Mihaela Morega – Bucharest, RO |
| Prof. Octavian Baltag – UMF Iași, RO | Prof. Radu Negoescu – Bucharest, RO |
| Prof. Anastasios Bezerianos – Greece | Prof. Sever Pașca – Bucharest, RO |
| Prof. Marcelo Bracale – Italy | Assoc. Prof. Lucian Petcu – Constanța, RO |
| Assoc. Prof. Radu Ciorap – UMF Iași, RO | Assoc. Prof. Valentina Pomăzan – Constanța, RO |
| Prof. Victor Ciupina – Constanța, RO | Prof. Bernard Richards – United Kingdom |
| Prof. Radu Ciupa – Cluj–Napoca, RO | Prof. Vladimir Rogalewicz – Czech Technical University, Prague, CZ |
| Prof. Hariton Costin – UMF Iași, RO | Prof. Dan Rafiroiu – Cluj–Napoca, RO |
| Prof. Enrique J. Gomez – Madrid, Spain | Dr. Florin Rotaru – Iași, RO |
| Prof. Florin Gorunescu – Craiova, RO | Prof. Abdel-Badeeh Salem – Egypt |
| Prof. Helmut Hutten – Austria | Prof. Francesco Sicurello – Italy |
| Prof. Sorin Kostrakievici – Bucharest, RO | Prof. Vasile Stoicu-Tivadar – Timișoara, RO |
| Prof. Nikos Maglaveras – Greece | Prof. Rodica Strungaru – Bucharest, RO |
| Prof. Nikos E. Mastorakis – Greece | Prof. Margareta Ungureanu – UMF Iași, RO |
| Prof. Winfried Mayr – Austria | Assoc. Prof. Dan Zaharia – UMF Iași, RO |
| Prof. George I. Mihalăș – Timișoara, RO | Dr. Reinhold Werlein – Switzerland |

Organizing Committee:

Prof. Hariton Costin, Assoc. Prof. Radu Ciorap, Assist. prof. Gladiola Andruseac, Assist. prof. Cristian Rotariu, Assist. prof. Calin Corciova, stud. Felix Adochiei, stud. Razvan Ciubotaru, bioeng. Doru Andritoi

Thursday, September 17-th, 2009

8⁰⁰ – 9⁰⁰ Participants registration: Ovidius University, Constanta – Faculty of Dental Medicine, Aleea Universității 1 (New campus, near The Holiday Village)

9⁰⁰ – 11⁰⁰ Opening Session: *Invited Plenary Lectures*

Chairmen: **Prof. Hariton Costin** - Gr.T. Popa University of Medicine and Pharmacy, Iași
Assoc. Prof. Dan Zaharia – Gr.T. Popa University of Medicine and Pharmacy, Iași, Dean of the Faculty of Medical Bioengineering
Assoc. Prof. Radu Ciorap - Gr.T. Popa University of Medicine and Pharmacy, Iași

1. Prof. Helmut Hutten (University of Technology, Graz, Austria): MODELLING – ANOTHER APPROACH TO THE ADVANCEMENT OF DIAGNOSIS AND TREATMENT

2. Prof. Metin Akay (Arizona State University, USA): ADVANCES and CHALLENGES in NEURAL ENGINEERING: NEUROGENESIS, NEUROCONTROL and NEUROCHIPS

3. Prof. George I. Mihalas (V. Babeș University of Medicine and Pharmacy, Timișoara): EUROPEAN E-HEALTH POLICIES

4. Dr. George Kolomvos (European Dynamics, Athens, Greece): E-GOVERNMENT COMMUNITY PORTALS: E-PRACTICE.EU

11⁰⁰ – 11¹⁵ Coffee break

11¹⁵ – 11⁴⁰ AVITECH SRL – Company profile

11⁴⁰ – 13⁴⁵ Dedicated Session: *E-Health Technologies and Applications I*

Chairpersons: **Prof. Metin Akay – Arizona State University, USA**
Prof. Ioana Moșil – L. Blaga University of Sibiu

1. TELEMOM – COMPLEX SYSTEM FOR REAL TIME MEDICAL TELEMONITORING OF VITAL SIGNS, Hariton Costin, C. Rotariu, Ioana Alexa, Gina Constantinescu, V. Cehan, B. Dionisie, Gladiola Andrusac, D. Arotaritei, B. Mustață, V. Felea, L. Alboaie, Octavia Morancea, F. Adochiei, R. Ciubotariu, E. Crauciuc, Monica Scutariu and I. Amariutei

2. THE VALUE OF TELEMEDICINE IN REMOTE MONITORING OF PATHOLOGICAL PREGNANCIES, Elena Bernad, S. Bernad, L. Cimpeanu, V. Albulescu, D. Anastasiu

3. RESONANCE FREQUENCY CHANGING AT A THYROID GEOMETRIC MODEL WITH CANCER NODULES, Gh. Gavriloaia

4. COMPOSITION OF FLEXIBLE WIRELESS SENSING DEVICE FOR HUMAN AND HOMECARE NETWORK, H. Hocheng, C. M. Chen, R. S. Chen and W. Fang

5. DIFFERENTIAL SYSTEM WITH SMALL PARAMETER WITH APPLICATIONS IN CHEMOTHERAPY OVARIAN CANCER DISEASES, M. Ilea, M. Toma, M. Turnea, D. Arotaritei

6. EPIDEMIOLOGICAL IMPACT OF DATA MANAGEMENT ON PREVENTION THE ACCIDENTS CAUSED BY EXPOSURE TO BLOOD IN HEALTHCARE UNITS, Grațiana Chicin, Antoanela Naaji, Dana Brehar Cioflec, Corina Valea

7. STEPS TOWARDS ESTABLISHING TELEMEDICINE CENTER IN PALESTINE, Shadi N. Al Barqouni

8. EVALUATING THE IMPACT OF AMI ON THE E-HEALTH SERVICE USER, Mihaela Tache, Radu Dragomir, Sorin Pușcoci

9. COMBINATORIAL OPTIMIZATION ALGORITHMS FOR SPLIT GRAPHS, Mihai Talmaciu, Elena Nechita

10. USING VIRTUAL MILIEU MODELING FOR ASTRONAUTS TRAINING, Vlad Văleanu, P. de Hillerin, D. Hășegan, M. Marin, V. Vasiliu, C. Costache, A. Vizitiu

11. EZ-CBR: A GENERIC TOOL FOR CASE BASED REASONING, Essam Amin Abdrabou, AbdEl-Badeeh M. Salem

12. MEDICAL DATABASE FOR REAL TIME TELEMONITORING OF CHRONIC PATIENTS, V. Felea, L. Alboaie, S. Buraga, M. Balta, Anca-Paula Luca, Diana Gorea

13. INVESTIGATING THE COMPLEXITY OF HIPPOCAMPAL OSCILLATIONS, A. Dragomir, Yasemin Akay, Jie Wu and Metin Akay

14. ECG SIMULATION USING LABVIEW, C. Corciovă, R. Ciorap, Gladiola Andruseac and D. Zaharia

13⁴⁵ – 15³⁰ Lunch break

15³⁰ – 17³⁰ Dedicated session: *Biotechnologies, Biomaterials and Biomechanics*

Chairpersons: Prof. Elena Podoleanu - Carol Davila University of Medicine and Pharmacy, Faculty of Dental Medicine, Bucharest

Assoc. Prof. Dan Zaharia – Gr.T. Popa University of Medicine and Pharmacy, Iași, Dean of the Faculty of Medical Bioengineering

1. EXPERIMENTAL STUDY OF POLYDIMETHYLSILOXANE (PDMS) ELECTROSTRICTIVITY, Vlad Cârlescu, Gh. Prisăcaru, I. Diaconu, Dumitru Olaru

2. DIRECT EXTRACTION OF ERYTHROMYCIN FROM *S. ERYTHREUS* BROTHS USING LIQUID MEMBRANES, Nicoleta Nicuță, Anca-Irina Galaction, and Dan Cașcaval

3. MODELLING OF MIXING IN BIOREACTORS WITH MOBILE BEDS OF IMMOBILIZED BIOCATALYSTS FOR SIX RADIAL IMPELLERS, Marius Turnea, Anca Lupășteanu, Anca-Irina Galaction, Dan Cașcaval

4. SELECTIVE PERTRACTION OF AMINO ACIDS USING FREE LIQUID MEMBRANES, Alexandra Cristina Blaga, Anca-Irina Galaction, and Dan Cașcaval

5. UTILIZATION OF PHASE MODIFIER FOR ENHANCING THE REACTIVE EXTRACTION EFFICIENCY OF VITAMINS, Lenuța Kloetzer, Anca-Irina Galaction, and Dan Cașcaval

6. BIOREACTORS OF "BASKET" TYPE WITH IMMOBILIZED BIOCATALYSTS, Roxana Baltaru, Anca-Irina Galaction, and Dan Cașcaval

7. COMPARATIVE STUDY OF THE *IN VITRO* BEHAVIOUR OF OSTEOBLASTS ON TITANIUM AND ZIRCONIUM OXIDE MATERIALS, R. Ion, V. Mitran, C. Ciofrangeanu, B. Galateanu, D. Iordachescu and A. Cimpean

8. BIOMECHANICAL POSTURAL STRAIN OF UPPER LIMBS AT GLASS-POLISHERS: ERGONOMIC STUDY, Veronica G. Oprea, Elena Teslariu

9. DESIGN OF ANALGESIC LOADED NANOPARTICULATE SYSTEMS AND THE ADVANTAGES OF THEIR USE IN EXPERIMENTAL NOCICEPTION, Liliana Tartau, Chiming Wei, Raoul V. Lupusoru, Catalina Elena Lupusoru, and V. Melnig

10. SYNTHESIS AND THE ANTIBACTERIAL AND ANTIMYCOTIC ACTION OF SOME NEW PYRAZINE DERIVATIVES, Margareta Ungureanu and Cristina Tuchilus

19⁰⁰ Cocktail – Malibu Hotel

Friday, September 18-th, 2009

9⁰⁰ – 11¹⁵ Dedicated session: *Bioinstrumentation, Biosignal and Image processing*

Chairmen: Prof. em. Helmut Hutten – University of Technology, Graz, Austria

Prof. Alexandru Morega – Politehnica University, Bucharest

Prof. Octavian Baltag - Gr.T. Popa University of Medicine and Pharmacy, Faculty of Medical Bioengineering, Iași

1. APPLICATION OF SHORT RANGE RADIO DEVICES IN BIOLOGICAL SIGNAL MONITORING, Constantin Barabașa, Vlad Cehan, R. G. Bozomitu

2. A RELIABLE FALL DETECTION MODULE FOR TELEMONITORING OF ELDERLY PEOPLE, Ionuț Amăriuței, C. Rotariu, H. Costin, F. Adochiei, R. Ciubotariu

3. ELECTRICAL IMPEDANCE MEASUREMENT EQUIPMENT FOR BIOMEDICAL APPLICATIONS, Laura Davlea, B. Teodorescu, N. Verga, M. Vitel

4. THE ACQUISITION OF COGNITIVE EVOKED POTENTIALS USING A PSYCHO-VERBAL STIMULATION INTERFACE, B. Dionisie, H. Costin, C. Rotariu, Gladiola Andruseac

5. X-RAY BASED TECHNIQUE FOR ESTIMATING BONE FRACTURE RISK, V. Volpe, C. Fraldi, L. Esposito, and M. Fraldi
6. FRACTAL DIMENSION AND LACUNARITY OF PSORIATIC LESIONS — A COLOUR APPROACH, Mihai Ivanovici, N. Richard, and Hana Decean
7. NUMERICAL FLOW ANALYSIS IN AN ARTERIAL SUB-SYSTEM, Alexandru M. Morega, A. Dobre, Mihaela Morega, D. Mocanu
8. NONINVASIVE EVALUATION OF THE ARTERIAL WALL ELASTICITY, Alina Machedon, C. M. Ipate and M. Morega
9. REAL TIME CHARACTERISATION OF NEURAL SIGNALS WITH APPLICATION TO NEONATAL MONITORING, Liviu Moraru, G. Edlinger, C. Guger, A. Bezerianos, D. Hoyer
10. LONG TIME-CONSTANT OF THE RR - QT COUPLING MAY CAUSE EPISODES OF FUNCTIONAL LONG-QT IN BORDERLINE SUBJECTS, Radu Negoescu, S. Dinca-Panaitescu, D.D. Ionescu, A. Achim
11. FRACTAL ANALYSIS OF THE NATURAL AND INDUCED ECHINOCYTOSIS FOR TWO SPECIES OF MAMMALS, S. Oancea, D. Creanga, I. Grosu
12. STUDY OF MAGNETIC FIELD DISTRIBUTION IN MEDICAL DEVICES – INCUBATOR AND PHOTOTHERAPY UNIT, Rău Miuța
13. DATA ACQUISITION MODULE FOR BRAIN COMPUTER INTERFACE SYSTEMS, Bogdan Teodorescu, Laura Davlea
14. MICROWAVE IMAGING - ALTERNATIVE METHOD FOR EARLY DETECTION OF THE BREAST CANCER, Octavian Baltag
15. PHOTOPLETHYSMOGRAM PROCESSING IN CHRONIC DISEASES MONITORING, Radu Ciorap, D. Zaharia, C. Corciovă
16. FUNCTIONAL EVALUATION OF BRACHIAL PLEXUS LESIONS, Dan Zaharia, R. Ciorap, C. Corciovă
17. A LOW POWER WIRELESS BREATHING MODULE FOR PERSONAL AREA NETWORK, R. Ciubotariu, F. Adochiei, C. Rotariu, H. Costin and Gladiola Andruseac
18. MEDICAL DEVICES MAINTENANCE AND PATIENT SAFETY, Stanny Britting

11¹⁵ – 11³⁰ Coffee break

11³⁰ – 13³⁰ Dedicated Session: e-Health Technologies and Applications II

Chairmen: **Prof. George Mihalas** – vice-president of IMIA, "V. Babes" University of Medicine and Pharmacy, Timișoara
Prof. Bernard Richards - The University of Manchester, School of Informatics

1. REDOX TIMING OF CELLULAR ACTIVITY, Dana Baran, M. Turnea
2. COMPARISON BETWEEN ROMANIAN PHARMACY INFORMATICS SYSTEMS, Claudia Ciulca-Vladaia, Anca Tudor
3. QUANTITATIVE IMMUNOLOGIC ASSESSMENTS OF THE KIDNEY INFLAMMATORY INFILTRATE IN SEPSIS, Laurian Frâncu, E. Crauciuc, Claudia Tărniceru, Scutaru Monica, Doina Lucia Frâncu
4. RADIAL BASIS FUNCTION NETWORK-BASED DIAGNOSIS FOR LIVER FIBROSIS ESTIMATION, Florin Gorunescu, Smaranda Belciug, Marina Gorunescu, Monica Lupsor, R. Badea and H. Stefanescu
5. DEVELOPING MOBILE UBIQUITOUS SERVICES FOR THE ELDERLY USING VIRTUAL ENVIRONMENTS, Z. Asghar, S. Hickey, S. Kazmi, P. Pulli
6. THE SIMULATION OF A STOCHASTIC MODEL FOR TUMOUR-IMMUNE SYSTEM, Raluca Horhat, Raul Horhat, and Dumitru Opris
7. MEDICAL DATABASES ACCESS SECURING BY MIXED AUTHENTICATION METHODS, Sorin Soviany, Mariana Jurian, R. Dragomir, S. Pușcoci
8. INTELLIGENT DEVICE USED BY AN INFORMATION SYSTEM FOR IDENTIFYING AND MONITORING OF PATIENTS, Ioan Ungureanu, Cristina Turcu, C. Turcu, V. Gh. Gaitan

9. A RFID-BASED CLINICAL INFORMATION SYSTEM FOR IDENTIFICATION AND MONITORING OF PATIENTS, Cristina Turcu, T. Cerlincă, M. Cerlincă, R. Prodan, C. Turcu, and Felicia Gîză
10. A DECISION SUPPORT SYSTEM BASED ON CLINICAL EVENTS CLASSIFICATION AND ANTIBIOTIC PROTOCOLS, Bernard Richards, T. Lugovkina
11. APPLYING ONTOLOGIES IN THE DEVELOPMENT OF PATIENT MOBILE MONITORING FRAMEWORK, Vladimir Villarreal, R. Hervás, Ana Díez Fernandez and José Bravo
12. COMMUNICATION SYSTEM WITH PERSONS HAVING A MAJOR NEURO - LOCOMOTOR HANDICAP, V. Cehan, H. Costin, C. Rotariu, I. Poeata, C. Costin, Al. Chiriac
13. THE EMOTIONAL PROSODY IN ROMANIAN SPOKEN LANGUAGE, Monica Feraru, I. Păvăloi
14. DEPARTMENTAL INFORMATION SYSTEMS – THE LABORATORY OF CELLULAR PATHOLOGY, Cristina G. Dascălu, Carmen Elena Cotrutz

13³⁰ – 15³⁰ Lunch break

15³⁰ – 17³⁰ Dedicated Session: *Management and e-Learning*

Chairpersons: **Prof. Gabriela Marinescu** – Gr.T. Popa University of Medicine and Pharmacy, Iași, Faculty of Medical Bioengineering
Prof. Radu Negoescu – Institute of Public Health, Bucharest

1. ORGANIZATION AND COORDINATION IN THE ROMANIAN HEALTH SYSTEM, Daniel Boldureanu, Gabriela Boldureanu
2. OCCUPATIONAL REHABILITATION OF DISABLED PEOPLE, Octavian Ciobanu and Yavuz Soydan
3. CONSUMER HEALTH INFORMATICS, A CHALLENGE FOR EDUCATION IN AN AGING WORLD, Marilena Ianculescu, Oana Andreia Coman, Monica Parvan, L. Coman
4. STUDY ON THE MANAGERIAL ETHICS IN A HEALTH ORGANIZATION, Gabriela Marinescu
5. MEASURING THE HEALTH STATUS USING THE SF-36 MULTIITEM SCALE, Ion Moleavin, Cristina-Elena Vereguț
6. MAY BIOENGINEERING & INFORMATION TECHNOLOGY DECISIVELY APPROACH ARTIFICIAL CONSCIOUSNESS ? Radu Negoescu
7. THE ROMANIAN HEALTH CARE HOSPITAL MANAGEMENT, Gheorghe Petrescu, Gabriela Boldureanu, D. Boldureanu
8. EDUSAN – AN IT&C TOOL FOR PREVENTION AND ORO-DENTAL EDUCATION, Elena Podoleanu, R. Negoescu, L. Podoleanu, Andreea Didilescu, Mona-Corina Buzea, I. Chiriac, Ruxandra Moraru
9. STATIC TELEPATHOLOGY FOR MEDICAL EDUCATION – A WEB BASED E-LEARNING APPLICATION, I.A. Popescu, M. Ceausu
10. AN EFFECTIVE TEACHING TOOL FOR BIOMEDICAL ENGINEERING EDUCATION, Radovan Stojanović, B. Asanin and D. Karadaglic
11. ISSUES CONSIDERED IN MEDICAL TELEDIAGNOSIS SERVICES, Andreea Șufaru, D. Boldureanu, M. Andronache, Elena Toader
12. A DISABLED PEOPLE PERSPECTIVE ON E-CONTENT ACCESSIBILITY, Gladiola Andruseac, Daniela Rotariu, A. Adăscăliței
13. THE FREE STATE OF SAXONY AND CROSS BORDER E-HEALTH, Axel Schwarz

**17³⁰ - “The best paper of the young researchers” prize
 - Conference closing**

Note: on Saturday, September 19-th, a social programme will be offered to the participants.

**EHB 2009 Chairman
 Prof. dr. eng. Hariton COSTIN**



“EHB 2009” CONFERENCE IS SPONSORED BY



S.C. ROMSOFT S.R.L.
Sulfinei, 18, IASI, ROMANIA

www.rms.ro

Founded in 2001, RomSoft SRL is a software development company headquartered in Iasi, Romania.

From the very beginning, our interest has been mainly focused on healthcare informatics areas like m-Health, telemedicine or e-health. Our services range from designing WAM (Work Area Management) solutions for small to medium laboratory environments, to offering consultancy services for software development start-ups and not only.

Research Activity

The most important development in our activity within the last year has been in the area of e-Health research projects.

We took interest in the research, design, and implementation of scalable systems with electronic, informational and telecommunication components, that allow automated tele-monitoring, *anytime and anywhere* (at home, in the hospital/asylum, or at work of mobile subjects, by using various means of communication), *in real time*, for chronically ill persons, elder subjects, subjects with increased medical risk or with neurological and locomotor disabilities.

Another important part of our research work takes place in the FP7 framework, in projects that carry an impact on various social levels, such as improving assistance and support for people suffering from chronic diseases like diabetes.

Certifications

As a reward for our efforts in the research field, on December 4th 2008, RomSoft was granted the "Certification for Scientific Development and Research", in conformity with Decision No. 9816 issued on 12/04/2008 by NASR (National Authority for Scientific Research).

Additionally, the RomSoft Quality Management System is ISO 9001 certified by Moody International since November 2004. Also, Q-Zert GmbH Germany awarded our company with the TGA-DAR accreditation.

Customers

RomSoft continues to be the partner of choice for some reputed Western European companies, such as Sysmex Europe and Skilldeal from Germany, Sintecnos from Italy, Fluke Biomedical USA, Metron Norway, or Add-on from Denmark.



S.C. QUARTZ MATRIX S.R.L.

5th Carol I Blvd, IASI, ROMANIA

Tel: +(40)232-217.248

Fax: +(40)232-217.262

E-mail: office@quartzmatrix.ro

www.quartzmatrix.com

Quartz Matrix is more than IT, it's business 100%. We professionally cover 5 business directions:

- **Quartz Matrix – IT&C Solutions** – infrastructure, software and integrated services:
www.quartzmatrix.com
 - **NetDeTek** – Security and Communications Solutions
www.netdetek.ro
 - **Senys** – Industrial Solutions – energy management
www.senys.ro
 - **CounTek** – Point-of-sale Solutions – retail, warehouse & HoReCa
www.countek.ro
 - **NextClass** – Educational Solutions – interactive learning
www.nextclass.ro
-



more than technology

Sos Pipera - Tunari nr 1/II
077190, Voluntari - Ilfov
www.avitech.ro
Tel (+4 021) 200 64 64
Fax (+4 021) 200 64 65
Video (+4 021) 300 07 60
E-mail info@avitech.ro

AVITECH Co S.R.L.

AVITECH holds the top position in the domestic market for audio-video, videoconference and smart house fields. The company is also one of the most important suppliers in areas such as security, safety, electrical installations, building automation and BMS. Our client portfolio reflects the trust earned in the last 10 years, through perseverance and professional approach.

At present, AVITECH has a division-based structure, which consists of four fields of activity:

- **Audio-Video**
(A/V integration, video conferencing, digital signage, pro audio and lighting)
- **Systems**
(Security, safety, electrical installations, automations and BMS)
- **Smart House** (Home Cinema, Multi Room Audio & HiFi, lighting control, TV & Video, Automation and BMS, security, Home Networking)
- **Service**
(Technical support, warranty and post warranty services)

AVITECH's headquarters and showroom are situated in Bucharest, the logistics and distribution centres are located in Magurele and the 6 service and technical support centres are located in Brasov, Cluj-Napoca, Constanta, Craiova, Iasi and Timisoara.

The company makes available its experience and professionalism gained during the 10 years of activity, and therefore the following lines will introduce you to the solutions and services provided.

AVITECH Audio-Video has become well established on the Romanian market as the number 1 integrator of audio-video solutions, video conferencing, digital signage, pro audio and lighting. The company provides performance solutions for spaces designed for business meetings, training, conference and video conference as well as solutions designed for digital signage, dispatching, telepresence and telemedicine.

AVITECH Systems is the division specialised in providing professional solutions for electrical installations – weak and medium currents, security, automation and Building Management Systems (BMS). AVITECH is among the most important integrators of complete solutions in automation and BMS.

AVITECH SmartHouse ensures the design, configuration and installation of any audio-video system and security system, regardless of its complexity or dimension. Due to this division, AVITECH has become the first and most important company in Romania developing the smart house concept. The offer consists of cutting-edge solutions and equipment: TV& Video, Home Cinema, Multi-room Audio & Hi-Fi, lighting control, Automation and BMS, Security, Home Networking (computer networks and Internet access), Air Conditioning.

AVITECH Service ensures complete maintenance, as well as warranty and post-warranty service and technical support at country level. The services provided by this division cover not only the work implemented by our company, but also works performed by other companies.

More than being a top corporation, AVITECH represents a business success. It started its activity 10 years ago with only three employees embracing a single vision. Today, after years of efforts, it has led to trust, expertise and excellence.