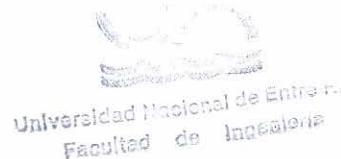


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## **Part 2/5**

*Biosensors, Processing of Bioelectric Signals, and Cardiology*

THIS PART CONTAINS:

- Track 9: Biosensors
- Track 10: Cardiology
- Track 26: Processing of Bioelectric Signals

**Part 2/5***Biosensors, Processing of Bioelectric Signals, and Cardiology***Track 9: Biosensors**

<b>9.1-1:</b> <b>The Role(s) of Glucose Sensing in Diabetes: Informative, Archival, or Control?</b>	<b>0474</b>
A. M. Albiner, Dept. of Electrical Engineering, University of Toronto, Toronto, Canada	
<b>9.1-2: Laser Polarimetry for Glucose Monitoring</b>	<b>0476</b>
G.L. Cote, M.D. Fox, R.B. Northrop, Univ. of Connecticut, Elect. and Systems Eng. Dept., Storrs, CT	
<b>9.1-3: Improvement of Optical Fiber Based Biosensors</b>	<b>0478</b>
C. Komives and J. S. Schultz, Department of Chemical Engineering, Univ. of Pittsburgh, Pittsburgh, PA	
<b>9.1-4: Neural Network Based Real-Time Detection of Glucose Using A Non-Chemical Optical Sensor Approach</b>	<b>0480</b>
F.M. Ham, B. Cho, G.M. Cohen*, Florida Inst. of Technology, Dept. of Elect. & Comp. Eng., Dept. of Biological Sciences*, Melbourne, FL	
<b>9.1-5: Microfabrication of Reproducible, Economical, Electroenzymatic Glucose Sensors</b>	<b>0483</b>
R. J. Morff, K. W. Johnson, D. Lipson, J. J. Mastrototaro, C. W. Andrew, and A. R. Potvin, Med. Instr. Sys. Research Div., Eli Lilly & Co., Indianapolis, IN	
<b>9.1-6: Transcutaneous Measurement of Bio-Substances by Suction Effusion Fluid from Skin II</b>	<b>0485</b>
Shinsuke Kayashima*, Tsunenori Arai**, Makoto Kikuchi**, Naokazu Nagara*, Narushi Ito+, Shio Shinohara+, Jun Kimura+, Toshihide Kuriyama+, *Dep. 3rd, Int. Med., NDMC, **Dep. Med. NDMC, +NEC Cor, Japan	
<b>9.2-1: The Interference of Ascorbate and Urea in Low-Potential Electrochemical Glucose Sensing</b>	<b>0487</b>
S. J. Yao, W. Xu, S. K. Wolfson, Jr., Dept. of Neurological Surgery, University of Pittsburgh, and Sur. Res. Lab., Montefiore Univ. Hospital, Pittsburgh, PA	
<b>9.2-2: Development of a pH Sensor for the Assessment of Fetal Distress</b>	<b>0490</b>
A.P. Murphy and P. Rolfe, University of Keele, Department of Biomedical Engineering and Medical Physics, Staffordshire, England	
<b>9.2-3: Development of a Polyimide Based Calcium Ion-Sensor as an Integral Part of Multi-Electrolyte ISFET</b>	<b>0492</b>
Eva Liao, Chak-Yoon A, Mansour Moinpour, and Peter A. Cheung, Microsensor Research Lab., Washington Technology Center, Dept. of Electrical Engineering, University of Washington, Seattle, WA	
<b>9.2-4: A System for Impact Insertion of a 100 Electrode Array into Cortial Tissue</b>	<b>0494</b>
P. J. Rousche, R. A. Normann, Dept. of Bioengineering, Univ. of Utah, Salt Lake City, UT	
<b>9.2-5: Interelectrode Isolation in a Penetrating Intracortical Electrode Array</b>	<b>0496</b>
Kelly E. Jones, Patrick K. Campbell, Richard A. Normann, Dept. of Bioengineering, University of Utah, Salt Lake City, UT	
<b>9.3-1: Impedance Analysis of Surface-Bound Biomembranes</b>	<b>0498</b>
J. Li, N. W. Downer, and H. G. Smith, TSI Mason Research Inst., Worcester, MA	
<b>9.3-2: A Whole Cell Biosensor Based on Cell-Substrate Interactions</b>	<b>0500</b>
Charles R. Keese and Ivar Giaver, School of Science, Rensselaer Polytechnic Institute, Troy, NY	
<b>9.3-3: Development of Continuous Flow Immunosensor</b>	<b>0502</b>
G. A. Wemhoff, A. W. Kusterbeck, R. Ogert*, P. Charles**, R. Bredehorst**, C. Vogel**, and F. S. Ligler, NRL Washington, DC, *Geo-Centers, Ft. Washington, MD, **Georgetown U, Washington, DC	
<b>9.3-4: Impedance Techniques for Signal Transduction in Lipid Membranes</b>	<b>0504</b>
T.L. Fare*, D.A. Stenger*, D.H. Cribbs**, E.L. Chang*, K.M. Rusin+ and P.P. Bey,Jr.+, *Naval Research Lab., Washington, DC, **St.Mary's College of MD, +Geo-Center Inc., Ft. Washington, MD	
<b>9.3-5: AC Admittance Studies of Ion Transfer Through Substrate-Bond Monolayers</b>	<b>0506</b>
M. Thompson, Vida Ghaemmaghami, Krishna M.R. Kallury, Ulrich J. Krull, Chemistry Department, University of Toronto, Toronto, Canada	
<b>9.4-1: A Comparative Study of Signal Processing to Improve Sensor Array Characteristics</b>	<b>0508</b>
O. Soykan, M. R. Neuman, Electronics Design Center, Case Western Reserve University, Cleveland, OH	
<b>9.4-2: An Implantable Two-Degree-of-Freedom Joint Angle Transducer</b>	<b>0510</b>
M.W. Johnson, P. Hunter Peckman, Rehab. Eng. Cntr., Dept. of Biomedical Eng., Case Western Reserve Univ., Cleveland, OH	

<b>9.4-3:</b>	<b>A Novel Strain Gage Transducer Design for Biomedical Applications</b>	<b>0512</b>
L. Picciano, J.K. Li, Biomed. Instrumentation Lab., Dept. of Biomedical Eng., Rutgers Univ, Piscataway, NJ		
<b>9.4-4:</b>	<b>Endoradiosonde Pressure Sensor System for Chronic Biomedical Monitoring</b>	<b>0514</b>
G. Probhaker and W. Carr, New Jersey Institute of Technology, Newark, NJ		
<b>9.4-5:</b>	<b>Development of Solid State Detector for Blood Flow Measurement</b>	<b>0516</b>
Injun Yu, Wurnava V. Subbarao, Gautam Ray*, Dept. of Elect. Engr., *Dept. of Mech. Engr., Florida Int'l. Univ., Miami, FL		
<b>9.4-6:</b>	<b>Continuous Skin Blood Flow Measurement By a Non Invasive Thermal Transducer (Hematron)</b>	<b>0518</b>
A. Dittmar*, G. Delhomme*, B. Roussel* and E. Vernet-Maury**, *Laboratoire de Thermoregulation, Faculte de Medicine, Lyon, Cedex, France, **Laboratoire de Neurophysiologie Sensorielle, France		

**Track 10: Cardiology**

<b>10.1-1:</b>	<b>Two-Dimensional Pulmonary Artery Velocity Profiles in Growing Lambs</b>	<b>0519</b>
B. Ha, C. L. Lucas, G. W. Henry, A. P. Yoganathan*, J. I. Ferriro, and B. R. Wilcox, Dept. of Surgery & Pediatrics, U. of NC, Chapel Hill, NC, * Georgia Inst. of Technology, Atlanta, GA		
<b>10.1-2:</b>	<b>Power Dissipation in Acute Hypertension</b>	<b>0521</b>
Pamela S. Geipel and John K.-J. Li, Cardiovascular Research Laboratory, Department of Biomedical Engineering, Rutgers University, Piscataway, NJ		
<b>10.1-3:</b>	<b>Similar Pressure Pulse Transmission and Reflection in Mammalian Aortas</b>	<b>0523</b>
J.K. Li and A. Noordergraaf, Dept. of Biomedical Engineering, Rutgers Univ., Piscataway, NJ and Dept. of Bioengineering, Univ. of Pennsylvania, Philadelphia, PA		
<b>10.1-4:</b>	<b>A Method for Estimating Pulmonary Blood Flow with Respiratory Inert Gas Analysis in an Open Gas Circuit</b>	<b>0525</b>
K. Gan*, I. Nishi**, A.S. Slutsky*, *Dept. of Medicine, Mount Sinai Hospital & Univ. of Toronto, Toronto, Canada, **Dept. of Physics, Science Univ. of Tokyo, Noda, Chiba, Japan		
<b>10.1-5:</b>	<b>Wave Attenuation of Periodic Waves in the Latex Tube: An Experimental Study</b>	<b>0527</b>
M. Gallerani and M. Ursino, Department of Electronics, Computer Science and Systems, Bologna, Italy		
<b>10.2-1:</b>	<b>Coarctation of the Aorta - A Comparison of Patient Data and Computer Simulation</b>	<b>0529</b>
M. Karlsson, J. Engvall, D. Loyd, P. Ask, and B. Wranne, Dept of Clinical Physiology, Linkoping University, Linkoping, Sweden		
<b>10.2-2:</b>	<b>A Right Ventricular dp/dt Pacing System - Clinical Studies</b>	<b>0531</b>
B. Coldagelli, J. Wahlstrand, D. Thompson, Medtronic, Inc., Minneapolis, MN		
<b>10.2-3:</b>	<b>A Two Dimensional Finite Analytic Method to Simulate Flow Patterns Due to Wall Motion Abnormality During Left Ventricular Ejection</b>	<b>0533</b>
Richard Schoephoerster and Gautam Ray, Mechanical Engineering Dept., Florida International University, The State of University of Florida at Miami, Miami, FL		
<b>10.2-4:</b>	<b>A Hydrodynamic Model for the Left Side Action of the Human Heart</b>	<b>0535</b>
M.M. Black, T. Cochrane, P.J. Drury, P.V. Lawford, Department of Medical Physics and Clinical Engineering, University of Sheffield, Sheffield, United Kingdom		
<b>10.2-5:</b>	<b>The Effect of Tapering on Blood Velocity Profiles</b>	<b>0537</b>
S. Cavalcanti, E. Belardinelli, Department of Electronics, Computer Science and Systems, University of Bologna, Italy		
<b>10.2-6:</b>	<b>In-Vitro Testing of a New Central Flow Balloon Catheter for Pulmonary Valvuloplasty</b>	<b>0539</b>
German Nunez, Gautam Ray, Charles F. Stanley*, Depts. of Industrial and Mechanical Engr., Florida International Univ., Miami, Florida, *Dept. of Mechanical and Aerospace Engr., West Virginia Univ., WV		
<b>10.3-1:</b>	<b>Noninvasive Characterization of Peripheral Vascular Compliance with Age</b>	<b>0541</b>
Emilio A. Lopez-Beltran, Perry L. Blackshear and Jorge Muruzabel, Biomedical Engineering Program, University of Minnesota, Minneapolis, MN		
<b>10.3-2:</b>	<b>Peripheral Compliance as Seen By Laser Doppler</b>	<b>0543</b>
V. Starc, M. Struci, G. Juznic, Z. Finderle, V. Skof, D. Peterec, Institute of Physiology, Faculty of Medicine Ljubljana, Yugoslavia		
<b>10.3-3:</b>	<b>The Study of Left Ventricular Filling Dynamics by Pulsed Doppler Echocardiography: Clinical Implications</b>	<b>0545</b>
C. Rusconi, P. Faggiano, C. Oneglia, Division of Cardiology, S. Orsola Hospital, Brescia, Italy		
<b>10.3-4:</b>	<b>Arterial Vascular Compliance in Heart Failure</b>	<b>0548</b>
S.M. Finkelstein, G. E. McVeigh, D. E. Burns*, P. F. Carlyle, J. H. Cohn, University of Minnesota, Minneapolis, MN		

<b>10.3-5:</b> Arterial Pulse Wave Velocity as a Measure of Cardiovascular Stress	<b>0550</b>
Masahiko Okada, Dept. of Lab. Medicine, Niigata Univ. School of Medicine, Asahimachi, Niigata City, Japan	
<b>10.3-6:</b> The Strength of the Heart Reflecting the Physical Effort	<b>0552</b>
Bojmir Juznic, Susara C.J.E. Juznic, Bojan Knap, Daniel Peterec, Institute of Physiology, Faculty of Medicine, Ljubljana, Yugoslavia	
<b>10.4-1:</b> Measurement of Flow Disturbances in Vascular Prostheses	<b>0554</b>
T.V. How and F. Miyawski, Institute of Medical and Dental Bioengineering, University of Liverpool, Liverpool, U.K.	
<b>10.4-2:</b> Problems in the Quantitative Assessment of Pulsed Doppler Spectra	<b>0557</b>
P.A.J. Bascom, R.S.C. Cobbold, Y.F. Law, K.W. Johnston, Inst. of Biomed. Eng., Univ. of Toronto, Toronto, Canada	
<b>10.4-3:</b> The Effect of Averaging Cardiac Doppler Spectrograms on their Amplitude Variability	<b>0560</b>
G. Cloutier*, **, L. Allard*, ***, Z. Guo*, ****, and Louis-Gilles Durand*, ** Lab. de Genie Biomedical, Institut de Recherches Cliniques de Montreal, **Institut de Genie Biomedical, Univ. de Montreal, Canada	
<b>10.4-4:</b> The Effect of Averaging Doppler Spectrograms of Amplitude Variability and Feature Variability in the Lower Limb Arteries	<b>0562</b>
L. Allard*, **, G. Cloutier*, Y.E. Langlois**, L.G. Durand*, G.O. Rooederer**, M. Beaudoin**, P. Roy***, and P. Robillard***, *Biomed Eng. Lab., Clincl. Res. Inst. of Montreal **Noninvasive Card. Lab., Montreal, Canada	
<b>10.4-5:</b> Application of Microscopic Laser Doppler Velocimeter for Analysis of Arterial Pulse Wave in Microcirculation	<b>0564</b>
Eiji Okada*, Haruyuki Minamitani*, Yutaka Fukuoka*, Hiroyuki Ehara*, Eiichi Sekizuka**, Chikara Oshio**, Yoshinari Hozawa**, Makoto Suematsu+ and Masaharu Tsuchiya+, *Yokohama, **Saitama, +Tokyo, Japan	
<b>10.5-1:</b> Contribution of Left Ventricular Vibrations to the Spectrum of Aortic Valve Closure Sound	<b>0567</b>
L.G. Durand*, Y.E. Langlois**, T.Lanthier***, P. Coppens***, P.Pibarot *, ***, R.Chiarella*, S. Carioto**, S. Bertrand-Bradley***, Biomdl. Eng. Lab., Clincl. Res. Inst. of Montreal, **Card. Sur. Div. Montreal	
<b>10.5-2:</b> Automated Identification of Artifact-free Diastolic Heart Sounds	<b>0569</b>
D. Shen*, J. L. Semmlow*, **, W. Welkowitz*, *Dept. of Biomedical Eng., Rutgers University, **Dept. of Surgery, UMDNJ-RWJMS, Piscataway, NJ	
<b>10.5-3:</b> The Temporal Characteristics of the Acoustic Signal Created by Turbulent Blood Flow in Occluded Coronary Arteries	<b>0571</b>
A.M. Smith, J.L. Semmlow, W. Welkowitz, J.B. Kostis*, V. Padmanabhan, Noninvasive Coronary Artery Disease Res., Rutgers Univ., Piscataway, NJ, *Div. of Cardiovascular Diseases & Hypertension, New Brunswick, NJ	
<b>10.5-4:</b> Intraoperative Phonocardiographic Monitoring Using a Special Endotracheal Tube Design	<b>0573</b>
L.Y. Teves*, D.J. Doyle**, *Manatee Memorial Hospital, Bradenton, Florida, **Institute of Biomedical Eng., Univ. of Toronto, Toronto, Ontario, Canada	
<b>10.5-5:</b> A Homomorphic Method to Recover the Intracardiac Left Ventricular Second Heart Sound	<b>0574</b>
S. Yong, H.C. Lee, L.G. Durand*, Dept. of Elect. Eng., McGill Univ., Montreal, Quebec, Canada, *Inst. de Recherche Cliniques de Montreal, Montreal, Quebec, Canada	
<b>10.5-6:</b> Energy Distribution of the Resonance Components of PCG Signals on the Surface of the Chest	<b>0576</b>
A. Baykal, Y.Z. Ider, H. Koymen, Electrical and Engineering Dept., Middle East Technical University, Ankara, Turkey	
<b>10.6-1:</b> Enhancement of Features in Epicardial Activation Maps Using Spatial Derivatives	<b>0578</b>
P. Lander, E.J. Berbari, Univ. of Oklahoma Health Sciences Cntr., Dept. of Med., Cardiovascular Diseases Section, Oklahoma City, OK	
<b>10.6-2:</b> Detection and Distinction of Atrial Arrhythmias from Bipolar Electrograms	<b>0580</b>
K.L. Ripley, T.E. Bump, R.C. Arzbaecher, The Pritzker Inst. of Med. Eng., Illinois Inst. of Tech. and Dept. of Internal Medicine, Univ. of Chicago, Chicago, Illinois	
<b>10.6-3:</b> Frequency Based Measures of Atrial Fibrillation in Man	<b>0582</b>
David S. Rosenbaum and Richard J. Cohen, Harvard University, Massachusetts Institute of Technology, Division of Health Sciences and Technology, Cambridge, MA	
<b>10.6-4:</b> Evaluation of Area-of-Difference Algorithms for Detecting Ventricular Tachycardia Using Electrogram Morphology	<b>0584</b>
R.D. Throne, J.M. Jenkins, L.A. DiCarlo*, Dept. of Elect. Eng. and Comp. Science, Univ. of Michigan, *St. Joseph Mercy Hospital, Ann Arbor, MI	
<b>10.6-5:</b> Coherence Estimation From a Single Intra-Cardiac Lead with Two Electrode Elements	<b>0586</b>
Kristina M. Ropella, Alan V. Sahakian, Jeffrey M. Baerman, Steven Swiryn, Depts. of Biomedical and Elec. Engr., Northwestern Univ., and Div. of Cardiology, Dept. of Med., Evanston Hosp., Evanston, IL	

<b>10.6-6:</b> <b>Multiple Regression Between Epicardial and Thoracic Potential Distributions in Man</b>	<b>0588</b>
Pierre Savard, Marin Draghici, Fernand Roberge, Institut de Genie Biomedical, Universite de Montreal, Montreal, Quebec, Canada	
<b>10.7-1:</b> <b>Quantitative Assessment of Electrophysiologic Anisotropy</b>	<b>0589</b>
R.L. Lux, Nora Eccles Harrison Cardiovascular Research and Training Institute, University of Utah, Salt Lake City, UT	
<b>10.7-2:</b> <b>A Method of Microscopic Mapping of Cardiac Excitation Spread</b>	<b>0591</b>
M.S. Spach, E.R. Darken, K.H. Raines, Depts. of Pediatrics and Cell Biology, Duke Univ. Medical Center, Durham, NC	
<b>10.7-3:</b> <b>The Generalized Inverse Problem in Electrocardiography</b>	<b>0593</b>
Christopher R. Johnson, The Nora Eccles Harrison Cardiovascular Research and Training Institute, University of Utah, Salt Lake City, UT	
<b>10.7-4:</b> <b>A Cardiac Monophasic Action Potential Recording Array</b>	<b>0595</b>
F.X. Witkowski, P.A. Penkoske, Depts. of Internal Medicine, Pediatrics and Surg., Univ. of Alberta School of Medicine, Edmonton, Alberta, Canada	
<b>10.7-5:</b> <b>Evaluation of New Indices of Compressed Body Surface Potential Maps</b>	<b>0597</b>
Dan Adam, Shlomo Gilat and Samuel Sideman, Dept. of Biomedical Eng., and Silver Inst. of Biomedical Eng., Technion, Haifa, Israel	
<b>10.7-6:</b> <b>The Use of Temporal Information in the Regularization of the Inverse Problem of Electrocardiography</b>	<b>0599</b>
H.S. Oster, Y. Rudy, Dept. of Biomedical Eng., Case Western Reserve Univ., Cleveland, OH	
<b>10.8-1:</b> <b>Computer Models of Cardiac Fibrillation</b>	<b>0601</b>
J.A. Abidskov, Nora Eccles Harrison Cardiovascular Research and Training Institute, Univ. of Utah, Salt Lake City, Utah	
<b>10.8-2:</b> <b>Modelling in Cardiac Electrophysiology: Basic Mechanisms and Clinical Applications</b>	<b>0602</b>
Y. Rudy, Dept. of Biomed. Eng., Case Western Reserve Univ., Cleveland, Ohio	
<b>10.8-3:</b> <b>Computer Modeling in Cardiac Electrophysiology</b>	<b>0603</b>
S. Swiryn, H. Sih, J. Baerman, T. Frohlich, and A. Sahakian, Dept. of Medicine, Northwestern University, Evanston, IL	
<b>10.9-1:</b> <b>An In-vivo Model of Mammalian Sinoatrial Node Electrical Activity Incorporating an Acetylcholine Activated Potassium Current</b>	<b>0605</b>
B.C. Celler, S. Dokos, N.H. Lovell*, Systems Physiology Lab., Schl. of Elect. Eng., Univ. of NSW, Australia *Centre for Biomed. Tech., Univ. of Tech., Sydney, Australia	
<b>10.9-2:</b> <b>The Information Content of the Cardiac Electrogram at the Stimulus Site</b>	<b>0607</b>
B.M. Steinhaus, T.A. Nappholz, Telectronics Pacing Systems, Englewood, CO	
<b>10.9-3:</b> <b>Discrete Model of Myocardial Electrotonic Interactions</b>	<b>0610</b>
Marek Malik and A. John Camm, Department of Cardiological Sciences, St. George's Hospital Medical School, London, England	
<b>10.9-4:</b> <b>Optimization of Multi-Ring Sensing Electrode Set</b>	<b>0612</b>
Monica Kaufer, Leonard Rasquinha, P. Tarjan, Dept. of Biomed. Eng., College of Eng., Univ. of Miami, Coral Gables FL	
<b>10.9-5:</b> <b>A Comparison of Finite Element and Finite Difference Solutions for a Single Dipole Model</b>	<b>0614</b>
J.C. Eason, T.C. Pilkington, Duke-North Carolina NSF/ERC, Dept. of Biomedical Eng., Duke University, Durham, NC	
<b>10.9-6:</b> <b>A Volume Conductor Model of the Human Thorax for Field Calculations</b>	<b>0615</b>
A. Vahid Shahidi and P. Savard, Institute of Biomedical Engineering, Ecole Polytechnique and University of Montreal, Montreal, Quebec, Canada	
<b>10.10-1:</b> <b>A Planar Slab Propagation Model for Cardiac Tissue</b>	<b>0617</b>
C.S. Henriquez, N. Traynova, Dept. of Biomedical Eng., Duke Univ., Durham, NC	
<b>10.10-2:</b> <b>A Comparison of Longitudinal and Transverse Conduction in a Two-Dimensional Model of Myocardium</b>	<b>0618</b>
L.J. Leon and F.A. Roberge, Ecole Polytechnique and Institut de genie Biomedical, Universite de Montreal, Montreal, Quebec, Canada	
<b>10.10-3:</b> <b>Effect of Intercellular Capacitance on Conduction in a Model of Cell Uncoupling</b>	<b>0620</b>
S.B. Knisley, W. Krasowska, T.C. Pilkington, W.M. Smith, Duke-North Carolina NSF/ERC and Depts. of Biomedical Engineering and Medicine, Duke University, Durham, NC	

<b>10.10-4: Behavior of the Beeler-Reuter Model During Rapid Re-Excitation</b>	<b>0622</b>
Matthew G. Fishler and Nitish V. Thakor, Biomedical Engineering, The Johns Hopkins School of Medicine, Baltimore, MD	
<b>10.10-5: Modeling High-Frequency Pacing with a Discrete Cardiac Strand</b>	<b>0624</b>
W. Krassowska, S.B. Knisley, T.C. Pilkington, R.E. Ideker*, Dept. of Biomed. Eng., Duke Univ., *Depts. of Med. & Pathology, Duke Univ. Med. Cntr., Durham, NC	
<b>10.10-6: Entrainment in Cardiac Purkinje Fibers</b>	<b>0626</b>
Vijayanand C. Kowtha, Mark Restivo*, Laboratory of Biophysics, NIH/NINDS, Bethesda, MD, *VA Medical Center, Brooklyn, NY	
<b>10.11-1: The Effects of Variable Thickness Skeletal Muscle on Body Surface Potentials Using an Eccentric Spheres Model</b>	<b>0628</b>
J.A. Schmidt, N.A. Trayanova, T.C. Pilington, Nat'l Science Found./Eng. Res. Cntr. for Emerging Cardiovascular Techs, Depts. of Elect. and Biomed. Eng., Duke Univ., Durham, NC	
<b>10.11-2: A New Regularization Method Applied to Regression Problems in Electrocardiography</b>	<b>0629</b>
Marin Draghici, Pierre Savard, Fernand A. Roberge, Institut de Genie Biomedical, Ecole Polytechnique de Montreal, Montreal, Canada	
<b>10.11-3: Inverse Solutions of ECG using Propagation Model: A 2-D Cross-Sectional Model</b>	<b>0630</b>
Tadashi Ihara and Roger C. Barr, Dept. of Biomedical Eng., Duke University, Durham, NC	
<b>10.11-4: An Inverse Source Localization Approach Using Current Density Mapping</b>	<b>0632</b>
B. He, R.J. Cohen, Harvard-MIT Div. of Health Sciences and Technology, MIT, Cambridge, MA	
<b>10.11-5: Validation of an Electrocardiographic Inverse Solution using Percutaneous Transluminal Coronary Angioplasty</b>	<b>0633</b>
R.S. MacLeod, M.J. Gardner*, R.G. Macdonald*, M.A. Henderson*, R.M. Miller*, B.M. Horacek, Dept. of Physiology & Biophysics & Dept. of Med*, Dalhousie Univ., Halifax, Nova Scotia, Canada	
<b>10.11-6: Calculating Intracavitary Potentials from Measured Endocardial Potentials</b>	<b>0635</b>
D.L. Derfus, T.C. Pilkington, R.E. Ideker, Dept. of Biomed. Eng., Nat'l Science Foundation/Eng. Research Cntr., Duke University, Durham, NC	
<b>10.12-1: Optimal Biphasic Waveform for Canine Cardiac Defibrillation with a "Single Duration Capacitor" Waveform and a Non-Thoracotomy Electrode System</b>	<b>0636</b>
W.C. McDaniel, J.C. Schuder, H. Stoeckle, M. Debeis, G.C. Flaker, Depts. of Surgery, Child Health, and Medicine, Univ. of Missouri, Columbia, MD	
<b>10.12-2: Defibrillation Threshold Simulations on Three-Dimensional Computer Heart Model</b>	<b>0638</b>
R. Province, M. Fishler, N. Thakor, Dept. of Biomedical Eng., Johns Hopkins School of Medicine Baltimore, MD	
<b>10.12-3: Optimizing Existing Defibrillation Thresholding Techniques</b>	<b>0640</b>
R.A. Malkin, T.C. Pilkington, D.S. Burdick, Duke-North Caroline NSF/ERC, Duke Univ., Dept. of Elect. Eng., Durham, NC	
<b>10.12-4: Electric Current Pathways in the Human Thorax</b>	<b>0642</b>
M. Ahmed, D. Billie, R.L. Barker, M. Griesen, Research Eng., Physio-Control Corp., Redmond, WA	
<b>10.12-5: Influences of Ischemia on Ventricular Fibrillation Threshold and Vulnerable Period in a 3D Computer Model of a Heart</b>	<b>0644</b>
M. G. Fishler, R. A. Province, R. C. Chan and N. V. Thakor, Biomedical Engineering Dept., John Hopkins School of Medicine, Baltimore, MD	
<b>10.12-6: Data Logging and Non-Invasive Facilities for Electrophysiological Studies by an Arrhythmia Control System</b>	<b>0646</b>
Richard M.T. Lu, Ross Matthews, Terry Leer, Peter Haeusler, Carol D'Amici, Electronics Pacing Systems, Englewood, CO	
<b>10.13-1: Trajectory Plots of Extrema in Magnetic and Potential Maps of Patients with Ventricular Tachycardia</b>	<b>0649</b>
G. Stroink**, J. Lant*, R. Lamothe*, P.J. Elliott*, M.J. Gardner** , **, *Depts. of Physics, &**Physiology & Biophysics, &**Medicine, Dalhousie Univ., Halifax, N.S. Canada	
<b>10.13-2: Fast and High-Resolution Monitoring of Extracellular Potentials to Analyze the Excitation Spread in Heart Preparations</b>	<b>0651</b>
E. Hofer, I. Schafferhofer, H. Haimberger and H.A. Tritthart, Inst. für Med. Physik und Biophysik, Karl-Franzens, Univ., Graz	
<b>10.13-3: Localization of Point of Pacing for Ablation of Arrhythmogenic Foci</b>	<b>0652</b>
P. J. Ollapally, C.M. Charbono, Tennessee State University, Johnson City, Tennessee	

<b>10.13-4: The Effect of Sampling Rate on the Detection of Local Activity in Unipolar Electrograms</b>	<b>0654</b>
G. Cabo, J.M. Wharton, E.V. Simpson, R.E. Ideker and W.M. Smith, Depts of Medicine and Pathology, Duke University Medical Center, Durham, NC	
<b>10.13-5: Cardiac Arrhythmia and Negative Inotropic Effect Induced by Equinatoxin II</b>	<b>0656</b>
M. Budihna*, D. Suput**, and P. Macek***, * Inst. of Pharmacology, ** Inst. of Pathophysiology, *** Dept. of Biology, University of Ljubljana, Slovenia, Yugoslavia	
<b>10.13-6: Optical Micro-Probing &amp; Motion Artifact Removal for Action Potential Measurement of Heart Muscle</b>	<b>0658</b>
Y. Miyazaki, T. Sato, Dept. of Information & Computer Sciences, Toyohashi Univ. of Tech.	
<b>10.14-1: Engineering Research Center for Emerging Cardiovascular Technologies</b>	<b>0660</b>
T.C. Pilkington, Duke-North Carolina NSF/ERC, Depts. of Biomedical and Elect. Eng., Duke Univ., Durham, NC	
<b>10.14-2: Bioelectric Stimulation</b>	<b>0662</b>
R.E. Ideker, Duke-North Carolina NSF/ERC, Depts. of Pathology, Med., and Biomed. Eng., Duke Univ., Durham, NC	
<b>10.14-3: Instrumentation in Bioelectric Simulation</b>	<b>0664</b>
W.M. Smith, Duke-North Carolina NSF/ERC, Depts. of Medicine and Biomedical Eng., Duke Univ., Durham, NC	
<b>10.14-4: Modeling in the Bioelectric Simulation Unit</b>	<b>0666</b>
W. Krassowska, M. M. Morffow, T. C. Pilkington, Duke-North Carolina NSF/ERC and Dept. of Biomedical Engineering, Duke Univ., Durham, NC	
<b>10.14-5: Real-Time 3D Ultrasonic Data Acquisition</b>	<b>0668</b>
O. von Ramm, & J. Castellucci, Duke-North Carolina NSF/ERC, Dept. of Biomedical Eng., Duke Univ., Durham, NC	
<b>10.14-6: Real Time Ultrasonic Flow Imaging</b>	<b>0670</b>
L.N. Bohs, G.E. Trahey, Duke-North Carolina NSF/ERC, Dept. of Biomedical Eng., Duke Univ., Durham, NC	
<b>10.15-1: Therapeutic Vascular Systems</b>	<b>0671</b>
H.G. Clark, C.M. Agrawal, R.S. Stack*, Dept. of Biomedical Eng., Duke Univ., Durham, NC, *Dept. of Medicine Duke Univ., Durham, NC	
<b>10.15-2: Magnetic Resonance Microscopy</b>	<b>0673</b>
G.A. Johnson, H. Benvenista, R. Black, G.P. Cofer, S.L. Gewalt, L. W. Hedlund, J.H. Maki, R.W. Redington, S.A. Suddarth, B.E. Todd, S.B. Ziv, Duke-N. Carolina NSF/ERC, Dept. of Radiology, Duke Univ., Durham, NC	
<b>10.15-3: Digital Circuits</b>	<b>0675</b>
J. Poulton, P.I. and Deanna Ravenscraft Duke-North Carolina NSF/ERC, Dept. of Computer Science, Univ. of North Carolina, Chapel Hill, NC	
<b>10.15-4: Analog Circuits</b>	<b>0677</b>
J.J. Paulos & T.K. Miller III, Duke-North Carolina NSF/ERC, Dept. of Elect. and Comp. Eng., North Carolina State Univ., Chapel Hill, NC	
<b>10.15-5: Technology Based Systems: Chemistry, Physics, Materials Science and Engineering of Chemical Sensors/Biosensors for In Vivo Applications</b>	<b>0679</b>
R.P. Buck, J.W. Buchanan, R.P. Kusy, Duke-North Carolina NSF/ERC, Dept. of Chemistry/Curr, Biomed. Eng., Univ. of North Carolina, Chapel Hill, NC	
<b>10.15-6: Electrode Fabrication</b>	<b>0681</b>
B. Ash*, **, H.Z. Massoud*, H.T. Nagle, Jr.**, J.J. Wortman**, *Dept. of Elect. Eng, Duke Univ., Durham, NC, **Dept. of Elect. & Comp. Eng., N.C. State University, Raleigh, NC	
<b>10.16-1: Prediction of Neonatal Risk of Hypertension From Cardiovascular Characteristics Determined at Birth</b>	<b>0685</b>
R.C. Hermida*, J.R. Fernandez*, D.E. Ayala*, A. Rey**, J. Rodriguez**, J.M. Fraga**, *Bioengin. & Chronobiol. Labs., E.T.I.T., Univ. Vigo, Vigo, **Hosp. Generalde Galicia & Med. Sch., Spain	
<b>10.16-2: Predictable Blood Pressure Variability in a Healthy Pregnancy Assessed by Longitudinal Monitoring</b>	<b>0687</b>
Diana E. Ayala and Ramon C. Hermida, Bioengin. & Chronobiol. Labs., E.T.S.I.T., Univ. Vigo, Vigo, Spain	
<b>10.16-3: Rhythmometric Analysis of Circadian Variability in Automatically Monitored Blood Pressure Series</b>	<b>0689</b>
J.R. Fernandez, R.C. Hermida, D.E. Ayala, A. Mojon, C. Hernandez, Bioengineering & Chronobiology Labs. E.T.S.I.T. Telecom., Univ. Vigo, Spain, Applied Physics Dpt., Univ. Santiago, Spain	

<b>10.16-4: Blood Pressure Estimation Investigated by Electric Impedance Measurement</b>	<b>0691</b>
K. R. Visser and J. H. J. Muntinga, Dept. of Physiology, Univ. of Groningen, The Netherlands	
<b>10.16-5: The Blood Pressure Variability Wave: An Application of Synchronous Averaging</b>	<b>0693</b>
D.J. Doyle, Institute of Biomedical Eng., Univ. of Toronto, Toronto, Ontario, Canada	
<b>10.16-6: Development of Automatic Blood Pressure Meter in Home</b>	<b>0694</b>
Nam H. Kim, Won K. Kim, Jae M. Huh, Tae Y. Choi*, Dept. of Medical Eng., Yonsei Univ., *Sein Electronic Co., Seoul, Korea	
<b>10.17-1: Explanation of Short-Term Blood Pressure Responses Needs Baromodulation</b>	<b>0696</b>
Jos J. Settels, Karel H. Wesseling, TNO Biomedical Instrumentation, Academic Medical Centre, Amsterdam, NL	
<b>10.17-2: Evaluation of Neural Cardiovascular Control Through Dynamic Analysis of 24 Hour Blood Pressure and Heart Rate</b>	<b>0698</b>
Gianfranco Parati, Paolo Castiglioni*, Stefano Omboni, Marco Di Rienzo*, Antonio Pedotti*, Giuseppe Mancia, Universita di Milano, *Fondazione Don Gnocchi e Politecnico di Milano, Italy	
<b>10.17-3: Estimation of the Baroreflex Transfer Function by Broad-Band Respiration</b>	<b>0700</b>
Ben J. TenVoorde, Ruurd Bennink, Theo J.C. Faes and Otto Rompelman, Medical Physics Dept., Free University Amsterdam, Amsterdam, The Netherlands	
<b>10.17-4: Short-term Blood Pressure Regulation: A Combination of Feedback and Mechanics</b>	<b>0702</b>
J. Philip Saul, Ronald D. Berger, and Richard J. Cohen, Harvard-MIT Division of Health Sciences and Technology, Cambridge, Massachusetts	
<b>10.17-5: Simulation of Heart Rate and Blood Pressure Effects of Mental Task Load</b>	<b>0703</b>
A.M. van Roon, L.J.M. Mulder, F.M. van der Veen, Institute of Experimental Psychology, University of Groningen, The Netherlands	
<b>10.18-1: Measurement of Cardiac Output During Treadmill Exercise by Impedance Cardiography with Ensemble Average</b>	<b>0705</b>
Deok W. Kim, *Soo K. Hwang, Chul G. Song, Nam H. Kim, Won K. Kim, Dept. of Medical Engineering, *Dept. of Physiology, Yonsei Univ. College of Medicine, Seol, Korea	
<b>10.18-2: The Role of the Field Extrapolation Technique in Obtaining a Linear Relationship Between Intraventricular Admittance and Volume</b>	<b>0707</b>
J.C. Spinelli & R.W. Salo, Cardiac Pacemakers, St. Paul, MN	
<b>10.18-3: Conductimetric Volume Profiles</b>	<b>0709</b>
Myriam C. Herrera, Max E. Valentiniuzzi, Julio C. Spinelli*, Juan M. Olivera, Facultad de Ciencias Exactas, Tecnologia, Universidad Nacional de Tucuman, Argentina, *Cardiac Pacemakers, Inc., St. Paul, MN	
<b>10.18-4: Advances in Intracardiac Impedance Plethysmography</b>	<b>0711</b>
M.Schaldach, W. Rentsch*, and H.W. Rentsch*, Zentralinstitut fur Biomedizinische Technik, Universitat Erlangen-Nurnberg, Erlangen, *RECO Medizintechnik, Pirna, Germany	
<b>10.18-5: Real Time Measurement of Intraventricular Catheter Position</b>	<b>0714</b>
Steven Kun and Robert A. Peura, Worcester Polytechnic Institute, Biomedical Engineering Department, Worcester, MA	
<b>10.18-6: Effect of Limited Voltage Resolution on an Algorithm for Determining Electrode Positions from Impedance</b>	<b>0716</b>
P.D. Wolf, W.M. Smith, T.C. Pilkington, Dept. of Biomedical Engineering and Medicine, NSF/ERC, Duke University, Durham, NC	
<b>10.19-1: Noninvasive Quantitative Analysis of the Left Ventricle Contractions with MR Imaging</b>	<b>0718</b>
S.E. Maier, P.Boesiger, G.McKinnon, R.E.Schoepflin, O.Hess*, H.P. Krayenbuhl*, M.Fuderer** Inst. of Biomed. Eng. & Med. Info., Univ. & ETH Zurich, *Med. Polyclinic, Univ. Hosp. Zurich, **Philips Med. Sys. Best, NL	
<b>10.19-2: Cineventriculographic Determination of LV Volume Acceleration in Man</b>	<b>0720</b>
V. Starc and R. Starc*, Institute of Physiology, Faculty of Medicine, *Department of Cardiology, University of Clinical Centre, Ljubljana, Yugoslavia	
<b>10.19-3: Functional Imaging of Hemodynamic Parameters to Identify Ischemic Left Ventricle</b>	<b>0722</b>
Jon Ami Bragason and Gautam Ray, Mechanical Engineering Dept., Florida International University, State University of Florida at Miami, Miami, Florida	
<b>10.19-4: Segmentation and Modelization for Reconstruction of Arterial Bifurcations in Digital Angiography</b>	<b>0724</b>
C. Pellet, A. Herment, P. Perommeau, M. Sigelle*, INSERM U256, Paris, France, *Departement Image, ENST, Paris, France	

<b>10.19-5: The Effects of Conductivity Inhomogeneity Inside the Torso on the Body Surface Electrocardiographic Potentials</b>	<b>0726</b>
Koji Kamiya*, Akira Iwata*, Nobuo Suzumura* and Mitsuharu Okajima, *Dept. of Elec. & Computer Engr., Nagoya Institute of Technology, Nagoya, Japan, **Fujita Health Univ., Toyoake, Nagoya Area, Japan	
<b>10.19-6: A Graph Search-Based Algorithm for Detection of Closed Contours in Images</b>	<b>0728</b>
K.P. Philip, E.L. Dove, K.B. Chandran, Department of Biomedical Engineering, Univ. of Iowa, Iowa City, IA	
<b>10.20-1: Myocardial Energetic Analysis of Left Ventricular Bypass</b>	<b>0730</b>
J. Yasha Kresh, Department of Cardiothoracic Surgery and Division of Cardiology, Likoff Cardiovascular Institute, Hahnemann University, Philadelphia, PA	
<b>10.20-2: Performance Indices for In-Series Cardiac Assistance</b>	<b>0733</b>
O. Barnea*, T.W. Moore**, D. Jaron**, *Biomedical Eng. Program, Tel Aviv University, **Biomedical Eng. & Science Inst., Drexel University, Philadelphia, PA	
<b>10.20-3: Development of a 14 Fr. Size Hemopump</b>	<b>0735</b>
K. Butler, W. Carriker, W. Aboul-Hosn, D. Thomas, Nimbus Inc., Rancho Cordova, CA	
<b>10.20-4: VEST CPR - A Promising New Modality of Resuscitation</b>	<b>0737</b>
J. D. Tsitlik*#, M. Gelfand*, K. G. Gruben#, A. D. Guerci*, and H. R. Halperin*#, * Cardiology Div. of Dept. Medicine, # Dept. of Bioengr., Johns Hopkins Univ., Baltimore, MD	
<b>10.20-5: Economical Aspects of ECC (Extracorporeal Circulation) in ECC (European Economic Community)</b>	<b>0739</b>
A. Lautier, D. Gaillard, J. C. Sargentini, J. P. Gille, A. M. Juvin, INSERN, Hospital Broussais, Paris, France	
<b>10.20-6: Adaptive Control for the Optimal Driving of the Ventricular Assist Device</b>	<b>0741</b>
T. Watanabe, M. Yoshizawa, N. Takeda, S. Nitta*, Dept. of Elect. Eng., Tohoku Univ., Sendai, Japan, *Dept. of Med. Eng. and Cardiology, Inst. of Chest Diseases & Cancer, Tohoku Univ., Japan	
<b>10.21-1: Medical and Technical Specifications for Artificial Heart</b>	<b>0743</b>
C. Couturier*, J. Ledocq**, J.M. Flamme+, A. Leroy**, *ENSTIMD, Ecole des Mines De Deoai, Cedex France, **Faculte Polytechnique de Mons, Belgium, +ENSIMEV, Mechanique Energetique, Cedex France	
<b>10.21-2: A Pulsed, Multiple Disk Artificial Heart</b>	<b>0745</b>
G.E. Miller, B.D. Etter, J.M. Dorsi, Texas A&M Univ. Bioeng. Prog., College Station, TX	
<b>10.21-3: Adaptive and Quasi-Physiological Controller for the Total Artificial Heart</b>	<b>0747</b>
Vaclas Pohl and Thomas Sikora*, Institute of Automation, University of Bremen, Bremen, *Institute of Experimental Surgery, Free University of Berlin, Klinikum Westend, Berlin, W. Germany	
<b>10.21-4: The Third Generation of Artificial Lungs</b>	<b>0749</b>
A. Lautier, J. P. Gille, A. M. Juvin, D. Gaillard, J. C. Sargentini, Broussais Hospital, Paris, France	
<b>P.10-1: Cardiac Wall Motion Analysis Using 2D B-Scans</b>	<b>0751</b>
T.M. Srinivasan*, M. Sukmar**, C. Eswaran**, S. Suresh***, *Fetzer Institute, Kalamazoo, MI **I.I.T., Madras, India ***Mediscan Systems, Madras, India	
<b>P.10-2: Power Spectrum Analysis of Heart Rate Variability Signal in Neurological Central and Autonomic Pathologies</b>	<b>0753</b>
A. Bianchi*, S. Cerutti**, G. Comi***, M. Grazia, N. Sora****, *IRCCS Ospedale San Raffaele, Milano, Italy, **Dipart. di Bioing., Politecnico, Milano, Italy ***Cattedra di Neuro., Univ. di Milano, Italy	
<b>P.10-3: Effects of Meals on Heart Rate Spectra</b>	<b>0755</b>
Tushar Desai, Harry Collins, Italo Biaggioni, Richard Shiavi, Virginia Haile, and David Robertson, Dept. of Biomedical Engr. and Clinical Research Ctr, Vanderbilt Univ. Nashville, TN	
<b>P.10-4: Excess Tachycardia: An Anesthetized Preparation and its Stimulation Frequency Response</b>	<b>0757</b>
M.R.S. Hill, D.W. Wallick, P.J. Martin, M.N. Levy, Dept. of Biomed. Eng., Case Western Reserve Univ. and Div. of Investigative Med., Mt. Sinai Med. Ctr., Cleveland, Ohio	
<b>P.10-5: Development of a Shear Rate Measurement Technique for Use in In-Vitro Cardiovascular Models</b>	<b>0759</b>
Rajkumar Makam, Stanley E. Rittgers, Department of Biomedical Engineering, The University of Akron, Akron, Ohio	
<b>P.10-6: Interaction of Depressed Membrane Excitability and Anisotropic Cellular Coupling in the Induction of Reentrant Ventricular Tachycardia</b>	<b>0761</b>
R. Cardinal, F. Helie, M. Vermeulen, J. Cossette, P. Savard, Dept. of Pharmacology and Biomedical Engineering Institute, Universite de Montreal & Research Ctr., Sacre-Coeur Hos., Montreal, Canada	



- P.10-7: Use of Spectral Analysis in Detection of Frequency Differences in Heart Rate Variability Signal of Normal and Diabetic Subjects** 0763  
 A.K. Ahmed\*, W.I. Al Hassawi\*, J.B. Harness\*\*, A.J. Mearns\*\*, \*Faculty of Technological Studies, Kuwait,  
 \*\*School of Control Engineering, Bradford Univ., UK

**Track 26: Processing of Bioelectric Signals**

- 26.1-1: Complexity Measures of the Visual Evoked Potential** 0765  
 Timothy J. Dasey and Evangelia Micheli-Tzanakou, Dept. of Biomedical Engineering, Rutgers University, Piscataway, NJ
- 26.1-2: Orthogonal Expansions of Electrophysiological Data Leading to Significant Loss of Information** 0767  
 R. Lamothe\*, G. Stroink\*, \*\*Depts. of Physics, and \*\*Physiology & Biophysics, Dalhousie Univ., Halifax, N.S., Canada
- 26.1-3: An Approach to Identify Overlapping Shape** 0769  
 Chengfeng Zhao, Curriculum in Biomedical Engineering & Mathematics, University of North Carolina at Chapel Hill, NC
- 26.1-4: A Concise Method for Detecting Psychological Changes** 0771  
 Bassel Tawfik\* and Abdalla S.A. Mohamed\*\*, \*Systems & Biomedical Engineering Dept., Cairo Univ., Cairo, Egypt, \*\*Dept. of Computer Science, Univ. of Regina, Regina, Sask., Canada
- 26.2-1: Comparison of Nystagmus Analysis Programs** 0773  
 C.S. Lessard, W.C. Wong, J.J. Im, C.A. Rodriguez-Garcia, G.F. Schmidt, Bioeng. Program, Dept. of Industrial Eng., Texas A&M Univ., College Station, TX
- 26.2-2: Nonlinear Analysis of Human Optokinetic Responses** 0775  
 W.C. Wong, C.S. Lessard, Bioeng. Program, Dept. of Industrial Eng., Texas A&M Univ., College Station, TX
- 26.2-3: On-Line Separation of Smooth Pursuit and Saccadic Eye Movements** 0777  
 T. Ceccin, D. Sauter, D. Brie, B. Martin\*, Centre de Recherche en Automatique de Nancy, Univ. de Nancy, France, \*Inst. Nat'l de Recherche et de Securite, Vandoeuvre, France
- 26.2-4: Optimized Unjoined Linear Approximation and Its Application for EOG-Biosignal Processing** 0779  
 P.A. Semyonov, "Eye Microsurgery" Research & Technology Center, Computer Instruments Div., Moscow, USSR
- 26.2-5: Diltiazem-Induced Vertical Eye-Movement Hypometria Detected by a High-speed Eye Tracking System Optimized for Clinical Investigation** 0781  
 R.C. Frecker, W.J. MacLean, M. Eizenman, Inst. of Biomedical Engineering & Dept. of Electrical Engineering, Univ. of Toronto, Toronto, Canada
- 26.2-6: An Adaptive Potential Filter and Its Application to the EOG** 0784  
 Zhu Bin and Zhu Yi-sheng, Dept. of Radio and Elec., Univ. of Sci. and Tech. of China, P.R. China
- 26.3-1: Feature Extraction and Recognition of Speech** 0786  
 H. Lin, E.M. O'Brien, Bioeng. Program, Texas A&M Univ., College Station, TX
- 26.3-2: Spectral Analysis of the Avian Heart Valve Sounds** 0788  
 J.J. Im, C.S. Lessard, T.W. Odom\*, Bioengineering Program, Dept. of Industrial Eng., \*Dept. of Poultry Science, Texas A&M Univ., College Station, TX
- 26.3-3: Fluctuation Analysis of the Heart Rate Related to Instantaneous Lung Volume: A Time Domain Approach** 0790  
 K. Yana, J.P. Saul, R.D. Berger, M.H. Perrott, R.J. Cohen, Harvard-MIT Division of Health Sciences and Tech., MIT, Cambridge, MA
- 26.3-4: Application of Synchronous Phenomenon in a Nervous System to the Pitch Period Detection of Speech** 0793  
 T. Matsuaka, N. Matusdaira and N. Yamawaki, Dept. Electrical & Electronic Eng., Utsunomiya Univ., Japan
- 26.3-5: Analysis of Dynamic Behavior of Breathing Rate in Fetal Sheep Using Fractal Dimensions** 0795  
 Y. Noguchi\*, H. Hataoka\*, P. Cheng\*\*, G. Dwyer\*\*, H. H. Szeto\*\*, \*Dept. of Appl. Physics, Nat'l Def. Academy, Yokosuka, Japan \*\*Dept. of Pharmacology, Cornell Univ. Med. Coll., NY, NY
- 26.3-6: Frequency Analysis by an Improved Complex Demodulation Method** 0797  
 Hao Ying Li, Yoshikazu Ueda, Naohiro Ishii, Nagoya Institute of Technology, Japan

<b>26.4-1:</b> Performance Limitations of a Single Frequency Adaptive Interference Canceller for ECG Signals	<b>0799</b>
Branko G. Celler, Yunxin Li and Chris J.E. Phillips*, Systems Physiology Laboratory and Department of Communications*, School of Electrical Engineering, University of NSW, Australia	
<b>26.4-2:</b> Classified Vector Quantization of Multi-Beat m-Aztec Coded ECG	<b>0801</b>
C.P. Mammen and B. Ramamurthi, Department of Electrical Engineering, Indian Institute of Technology, Madras, India	
<b>26.4-3:</b> The MCG as an Arbiter between Cardiac Source Models	<b>0803</b>
T. Oostendorp, A. van Oosterom, G. Huidkamp, Lab. of Med. Physics and Biophysics, Univ. of Nijmegen, Nijmegen, The Netherlands	
<b>26.4-4:</b> Parametric Description of Spectral Density of ECG	<b>0805</b>
R. Gopinath, I.S.N. Murthy, and G.S. Prasad, Dept. of Elec. Eng., IIT, Bangalore, India	
<b>26.4-5:</b> Demodulation of IPFM Model Considering Absolute Refractory Period	<b>0807</b>
H. Hataoka*, Y. Noguchi*, S. Sugimoto**, H. Kobayashi***, and M. Kobayashi***, *Dept. of Appl. Phys., Nat'l Def. Academy, Yokosuka, Japan **Fac. of Eng., Shohnan Inst. of Tech., Fjisisawa, Japan ***Nat'l Def. Med. Coll.	
<b>26.4-6:</b> Real-time Detection and Quantification of Ischemic ECG Changes	<b>0809</b>
G. Passariello, F. Mora, Fco. DeLa Cruz*, J.F. Gotopo**, G. Carrault ***, Grupo de Bioing. y Biofis. Apl., Univ. Simon Bolivar, Caracas, Venezuela, *Elect. Dept., Inst. Univ. Politech. de Barquisimeto, Venezuela	
<b>26.5-1:</b> Wavelet Analysis of E.C.G. Signals	<b>0811</b>
L. Senhadjt, J.J. Bellanger, G. Carrault, J.L. Coatrieux, Unite Inserm U 355, Laboratoire de Traitement du Signal et de L'Image, Universite de Rennes 1, Rennes Cedex, France	
<b>26.5-2:</b> Frequency-Domain Digital Filtering Techniques for Selective Noise Elimination in Biomedical Signal Processing	<b>0813</b>
R. E. Barr, M. Ferdjallah Biomedical Engineering Program, University of Texas at Austin, Austin, TX	
<b>26.5-3:</b> Nonlinear Transforms in QRS Detection Algorithms	<b>0815</b>
S. Suppappola, Y. Sun Dept. of Elect. Eng., Univ. of Rhode Island, Kingston, RI	
<b>26.5-4:</b> ECG Segmentation by Means of Change Detection Theory	<b>0817</b>
G. Carrault, L. Senhadjt, J.J. Bellanger, J.F. Le Fichon, Unite Inserm U 355, Laboratoire Traitement de Signal et de L'Image, Universite de Rennes 1, Rennes Cedex, France	
<b>26.5-5:</b> An Algorithm for Pattern Recognition of Multichannel ECG Signals	<b>0819</b>
K. S. Shin, S. C. Hwang, B. C. Lee, M. H. Lee, Dept. of Electrical Engineering, Yonsei University, Seoul, Korea	
<b>26.5-6:</b> Multi-channel FECG Signal Processing by Using Singular Value Decomposition	<b>0821</b>
Li-gao Zhou and Li-yun Yu, Tsinghua University, Beijing, China	
<b>26.6-1:</b> Arrhythmia Monitoring Using Fuzzy Reasoning	<b>0823</b>
S. Barro*, R. Ruiz**, J. Presedo*, D. Cabello*, and J. Mira***, *Dept. Electronica, Univ. de Santiago, Spain **Dept. Ing. Electromecanica, ETSII de Cartegena, Univ. do Murcia, Spain, ***Dept. Informatica Y Aut. Facultad de Fisica, Madrid, Spain	
<b>26.6-2:</b> Use of Wigner Ville Distribution to Analyze Cardiac Late Potentials	<b>0825</b>
D.J. Waldo, P.R. Chitrapu, B.R.S. Reddy*, K. Jepsen**, G.A. Kidwell**, A.J. Greenspon**, Drexel Univ., Phil., PA, *Marquette Electronics Ltd., Milwaukee, IL, **Thomas Jefferson Univ., Hosp., Philadelphia, PA	
<b>26.6-3:</b> A Fast Analyzing System for Holter Recording Using Digital Signal Processors and Neural Networks	<b>0827</b>
Akira Iwata*, Tohru Sugamoto*, Nubuo Suzumura* and Yoshiro Moriuchi**, *Nagoya Institute of Technology, Gokiso-cho, Showa-ku, Nagoya, **Suzukien Co., Ltd, Kita-Ku, Nagoya, Japan	
<b>26.6-4:</b> Processing Respiratory Muscle Signals of Preterm Infants	<b>0829</b>
Nelson R. Claure, Wunnava V. Subbarao, and Shahnaz Duara, Florida International University, Elect. Engr., University of Miami, School of Medicine, Miami, FL	
<b>26.6-5:</b> Uterine EMG Signal: Propagation Analysis	<b>0831</b>
Jacques Duchene, Catherine Marque, Sophie Planque, Biological Engineering Dept., URA CNRS 858, University of Compiegne, Compiegne, France	
<b>26.6-6:</b> Interaction of Heart Rate Control Menus Under Postural, Mental and Vagal Interventions	<b>0833</b>
R. M. Negoescu and I. E. Ceiki, Institute of Hygiene and Public Health, Bucharest, Romania	
<b>26.7-1:</b> The Use of Surface Laplacians in Improving Spatial Resolution of EEG Topographical Maps	<b>0835</b>
S. K. Law, P. L. Nunez, Brain Physics Group, Dept. of Biomedical Engineering, Tulane University, New Orleans, LA	

<b>26.7-2:</b> Enhanced Parametric Estimation of Electroencephalograms under Accelerated Stress	<b>0837</b>
F. Y. Vural*, B. Onaral**, and E. Cetin***, *YapiTel A.S., Ankara, Turkey, **Drexel Univ., Philadelphia, PA, ***Bilkent Univ., Turkey	
<b>26.7-3:</b> Artefacts Detection and Pre-Cleaning in Spectral EEG Analysis	<b>0840</b>
Dominique Sauter, Marc Tomczak, Alain Richard, Marc Mouze Amady*, Francois Cail*, CRAN Universite de Nancy, CNRS UA 821, *Institute National de Recherche et Securite, France	
<b>26.7-4:</b> A Digital Signal Processing Workbench for Electroencephalographic Data	<b>0843</b>
R.C. Burgess, D. Braun*, P.T. Kooros*, B. Saliba*, T.C. Collura, E.C. Jacobs, Section of Epilepsy & Clinical Neurophysiology, Cleveland Clinic Foundation, Cleveland, OH, *Dept. of Computer Science, Univ. of Colo., CO	
<b>26.7-5:</b> Spread Forms of Spindle Waves in EEG	<b>0845</b>
Y. Ueda, N. Ishii, Nagoya Institute of Technology, Japan	
<b>26.7-6:</b> Reducing EMG Artifact in EEG Recording with Standard Median Filter and FIR-Median Hybrid Filter	<b>0847</b>
C. Zheng*, J. C. Sackellares**, W. J. Williams*, A. Tornow**, R. Kushwaha** *Dept. of Elect. Eng & Comp. Science, Bioeng. Program. **Dept. of Neurology, Epilepsy Prog., Univ. of MI, Ann Arbor, MI	
<b>26.8-1:</b> The Use of Multi-Channel Information in the Detection of Epileptiform Activity in the EEG	<b>0849</b>
Alison A. Dingle*, Richard D. Jones**, Grant J. Carroll+, W. Richard Fright**, Ivan M. Donaldson+, *University of Canterbury, **Dept. of Medical Physics & Bioengr., +Dept. of Neurology, New Zealand	
<b>26.8-2:</b> Phase-Space Characterization of Epileptiform EEG Abnormalities	<b>0851</b>
T.F. Collura, R. Shetye, H.H. Morris, E.C. Jacobs, R.C. Burgess, Section of Epilepsy and Clinical Neurophysiology, The Cleveland Clinic Foundation, Cleveland, OH	
<b>26.8-3:</b> Analyzing Thought-Related Electroencephalographic Data Using Non-linear Techniques	<b>0853</b>
Trent A. Skidmore and Herman W. Hill Jr., Avionics Engineering Center, Dept. of Electrical and Computer Engineering, Ohio Univ., Athens, OH	
<b>26.8-4:</b> Attention Deficits in Alcoholic Brain Syndrome	<b>0855</b>
J.Varner, J.W. Rohrbaugh, J.M. Stapleton, E.A. Zubovic, M.J. Eckardt, Dept. of Elect. Eng., Univ. of Nebraska-Lincoln, Lincoln, NE, *Lab. of Clin. Studies, Nat'l Inst. of Alcohol Abuse and Alcoholism, Bethesda, MD	
<b>26.8-5:</b> Time-Frequency Analysis of EEG Recordings with the Reduced Interference Distribution	<b>0857</b>
C. Zheng*, A. Tornow**, R. Kushwaha*, J. C. Sackellares**, W.J. Williams*, *Dept. of Elect. Eng. & Comp. Science, Bioengineering Prog. Univ. of MI, Ann Arbor, MI	
<b>26.8-6:</b> Analysis of Effectiveness about Coded Summation Method Through Human EEG's	<b>0858</b>
Mariko Fujikake*, Satoki P. Ninomijaya, *Hakuoh University, Oyama-shi, Tochigi, Japan and +Aoyama Gakuin University, Setagaya-ku, Tokyo, Japan	
<b>26.9-1:</b> Bisensory Evoked Potentials: A Single-Sweep Analysis Via Template Reference and Parametric Identification	<b>0860</b>
Diego Liberati, Sergio Cerutti, CNR Centro Teoria dei Sistemi, Dipartimento di Bioingegneria, Politecnico, Milano, Italy	
<b>26.9-2:</b> The Bimodal Evoked Potential and a Simple Additive Model	<b>0862</b>
Zachary A. Keirn and Jorge I. Aunon, Colorado State University, Department of Electrical Engineering, Fort Collins, CO	
<b>26.9-3:</b> Adaptive Filtering of Event-Related Bioelectric Signals	<b>0864</b>
Raimon Jane, Pablo Laguna and Pere Caminal, Institut de Cibernetica (Universitat Politecnica de Catalunya-CSIC), Barcelona, Spain	
<b>26.9-4:</b> Adaptive Walsh Estimation of Time-Varying Evoked Potential Signal	<b>0866</b>
Xinrong Guo and Nitish Thakor, Department of Biomedical Engineering, Johns Hopkins School of Medicine, Baltimore, MD	
<b>26.9-5:</b> VEP and EMG Analysis in a Reaction Time Task	<b>0868</b>
W. Wolf, C. Baedeker, G. Staude, Inst. for Mathematik und Datenverarbeitung, Univ. der Bundeswehr Munchen, FRG	
<b>26.9-6:</b> Automated ABR Peak Labelling Using Matched Filters	<b>0870</b>
R. E. Delado, and O. Ozdamar, University of Miami, Dept. of Biomedical Engr. and Pediatrics, Coral Gables, FL	
<b>26.10-1:</b> Investigation of the Resonant Behaviour of the Somatic Cortex Via Single-Trial Analysis of the Evoked Magneto-Encephalogram	<b>0872</b>
L. Narici, D. Liberati, C. Cerutti, and A. Santoni, Dipt. di Fisica, Univ. di Roma Tor Vergata, Italy, CNR, Milano, Italy	

<b>26.10-2: Color Pattern Visual Evoked Potentials in Controls and Multiple Sclerosis Patients</b>	<b>0874</b>
J.A. Mitchell-DePew and E. Micheli-Tzanakou, Department of Biomedical Engineering, Rutgers University, Piscataway, NJ	
<b>26.10-3: An Information Flow Technique for Classifying ERPS</b>	<b>0876</b>
R. Kushwaha, W. Williams, H. Shevrin, Univ. of Michigan, Ann Arbor, MI	
<b>26.10-4: Performance Analysis of a Time Delay Estimate Between Two Noisy Transient Signals</b>	<b>0877</b>
P. Laguna*, H. Rix+, P. Caminal*, R. Jane*, *Institut de Cibernetica (UPC-CSIC), Barcelona, Spain, and +Lab. de Signaux et Systemes, Univ. de Nice, Sophia Antipolis, France	
<b>26.10-5: Comparisons Between Evoked Fields and Evoked Potentials in the Oddball Paradigm</b>	<b>0879</b>
Toshiaki Imada, Takunori Mashiko, Kazumi Odaka, Basic Research Laboratories, Nippon Telegraph and Telephone Corp., Tokyo, Japan	
<b>26.10-6: Automatic ERG-VEP Biosignals Processing System for Ophthalmology</b>	<b>0881</b>
P.A. Semyonov, A.M. Protzak, S.A. Knodakov, V.I. Pervyshev, and M.A. Rudneva, "Eye Microsurgery" Research & Technology Center, Computer Instruments Div., Moscow, USSR	
<b>26.11-1: Central and Peripheral Effects on Amplitude and Latency Characteristics of VEP's</b>	<b>0883</b>
J.A. Mitchell-DePew, E. Zervos and E. Micheli-Tzanakou, Dept. of Biomedical Engineering, Rutgers University, Piscataway, NJ	
<b>26.11-2: Adaptive Modeling of Evoked Potentials: Application of Cerebral Focal Ischemia</b>	<b>0885</b>
P. Poon, N. Thakor, Dept. of Biomed. Eng., Johns Hopkins School of Medicine, Baltimore, MD	
<b>26.11-3: Analysis of the SEP Using the Hilbert Transform</b>	<b>0887</b>
B. Kaufman, A.V. Sahakian*, J.B. Myklebust**, Naval Biodynamics Laboratory, *Depts. of Elect. Eng. & Biomed. Eng., Northwestern Univ., **Zablocki V.A. Med. Cntr. and Marquette Univ., IL	
<b>26.11-4: Continuous Coded Summation Method to Measure Human Evoked Responses</b>	<b>0889</b>
Satoki P. Ninomijii*, Mariko Fujikake+, *Aoyama Gakuin University, Setagaya-ku, Tokyo, Japan and +Hakuoh University, Oyama-shi, Tochigi, Japan	
<b>26.11-5: Data Compression of Biological Signals</b>	<b>0891</b>
Dolores Fusco, A. Willem Monster, Intelligent Instrument Systems Laboratory, Temple University, Philadelphia, PA	
<b>26.11-6: A Practicable Adaptive Averaging Method for Evoked Potential Research</b>	<b>0893</b>
Yao Pei, Jiarui Lin, ZanyanWu*, Bioengineering Department, Huaz Hong University of Science & Technology, Wuhan, China, *Hubei Medical College, Wuhan, China	
<b>26.12-1: VEP as a Response of the Visual System to Pattern Convergence</b>	<b>0895</b>
N. Cottaris, R. Iezzi, E. Micheli-Tzanakou, Dept. of Biomedical Eng., Rutgers Univ., Piscataway, NJ	
<b>26.12-2: Effects of Pattern Convergence and Orthogonality on Visual Evoked Potentials</b>	<b>0897</b>
R. Iezzi, Jr., E. Micheli-Tzanakou and N. Cottaris, Department of Biomedical Engineering, Rutgers University, Piscataway, NJ	
<b>26.12-3: Visual Evoked Response Waves: The Physiological Significance of Their Areas</b>	<b>0899</b>
Rinaldo Alfieri and Eliane Albuission, Dept. of Biomathematics, Fac. of Medicine, Clermont-Ferrand, France	
<b>26.12-4: Estimation of Event Related Potentials</b>	<b>0901</b>
Maria Hansson, Tony Cedholt, Signal Processing Group, School of Electrical Engineering, University of Lund, Lund, Sweden	
<b>26.12-5: Improved Parameter Estimation of Steady-State Visual Evoked Potentials</b>	<b>0903</b>
T. Yu, A. M. Norcia* Dept. of Scientific Instrumentation, Zhejiang Univ., Hangzhou, P.R. China, *Smith-Kettlewell Eye Inst., San Francisco, CA	
<b>26.12-6: Estimation of Single Trial Evoked Potentials Using Parametric Modeling</b>	<b>0906</b>
Zhang Zuo-Sheng, Wang Feng, BME Laboratory, Department of Electronic Engineering, Univ. of Sci. & Tech. of China, Hefei, Anhui, P.R. China	
<b>P.26-1: Estimation of BAC from the Analysis of Nystagmus</b>	<b>0909</b>
C.A. Rodrigues-Garcia, C.S. Lessard, Bioeng. Program, Ind. Eng. Dept., Texas A&M Univ., College Station, Texas	
<b>P.26-2: Recording of Human Eating Behavior</b>	<b>0911</b>
A. W. Monster, T. Spiegel, T. Moyer, E. Stellar, Temple University, Dept. of Elect. Eng. & Univ. of PA, Dept. of Psychiatry, Philadelphia, PA	
<b>P.26-3: Measure of Olfactory Evoked Potentials and Event Related Potentials Using Odorant Stimuli</b>	<b>0913</b>
M. Tonoike, N. Seta*, T. Maetani*, I. Koizuka*, M. Takebayashi, Life Elect. Res. Cntr., Electrotechnical Lab., Amagasaki, Hyogo, Japan *Dept. of Otorhinolaryngology, Osaka Univ. Med. Schl, Osaka, Japan	

<b>P.26-4: A Method to Quantize the Dicrotic Notch in BVP Waveforms</b>	091
M. L. Heimer, Florida International Univ., Dept. of Elec. Eng., Miami, FL	
<b>P.26-5: A New Device for Autonomic Nervous System Assessment</b>	091
S. Pruna, C. Ionescu-Tigoviste, O. Asiminei, C. Dragulescu, and V. Duna, Electrophysiology & Biomedical Eng. Lab., Univ. Hospital Cantacuzino, Bucharest, Romania	
<b>P.26-6: Microcomputer EOG-System for Ophthalmology</b>	091
P.A. Semyonov, "Eye Microsurgery" Research & Technology Center, Computer Instruments Div., Moscow, USSR	
<b>P.26-7: Clinical Application of Power Spectral Analysis of ABRs</b>	092
Pei Hung En et al, Ear, Nose, Throat Research Center, Fu Cheng Road No. 6, Beijing, China	
<b>P.26-8: An Algorithm for Pattern Recognition of Multichannel ECG Signals</b>	092
Kun-Soo Shin, Seon-Cheol Huang, Byung-Chae Lee, Myoung-Ho Lee, Department of Electrical Engineering, Yonsei University, Seoul, Korea	
<b>P.26-9: Colonic Activity Measurements in Conscious Dogs Using Implanted Strain Gauges</b>	092
Stephen O'Connor, Philip J. James, John F. Hare, David R. Harrison, Bela Patel, Toger J. Eden, Smith Cline Beecham Pharmaceutical Research and Development, Welwyn, Hartfordshire, U.K.	
 Author Index .....	A1-1
Keyword Index .....	K1-1