



# TABLE OF CONTENTS

№2308

IUPESM YOUNG INVESTIGATORS AWARD SYMPOSIUM	1
LATIN AMERICAN STUDENT COMPETITION SYMPOSIUM	7
<b>TOPIC 1</b> ARTIFICIAL ORGANS AND ASSIST DEVICES	13
<b>TOPIC 2</b> AUTOMATIC AND ADAPTIVE CONTROL	35
<b>TOPIC 3</b> BIOMAGNETISM AND ELETROMAGNETIC INTERACTION	45
<b>TOPIC 4</b> BIOMATERIALS	75
<b>TOPIC 5</b> BIOMECHANICS	97
<b>TOPIC 6</b> BIOMEDICAL OPTICS	137
<b>TOPIC 7</b> BRACHYTHERAPY	161
<b>TOPIC 8</b> CARDIOVASCULAR MECHANICS	181
<b>TOPIC 9</b> CARDIOVASCULAR SYSTEM	195
<b>TOPIC 10</b> CELLULAR ENGINEERING	227
<b>TOPIC 11</b> CLINICAL ENGINEERING	237
<b>TOPIC 12</b> COMPUTERS IN MEDICINE	269
<b>TOPIC 13</b> DIAGNOSTIC RADIOLOGY	291
<b>TOPIC 14</b> DOSIMETRY	339
<b>TOPIC 15</b> ELECTROCARDIOLOGY	387
<b>TOPIC 16</b> ELECTROPHYSIOLOGY	421
<b>TOPIC 17</b> EXPERT AND DECISION SUPPORT SYSTEMS	445
<b>TOPIC 18</b> EXTERNAL RADIATION THERAPY	479
<b>TOPIC 19</b> HEALTH INFORMATION SYSTEMS	535
<b>TOPIC 20</b> HYPERTHERMIA/HYPOTHERMIA	557

<b>TOPIC 21</b> INSTRUMENTATION	567
<b>TOPIC 22</b> MEDICAL IMAGING	597
<b>TOPIC 23</b> MODELING SIMULATION	643
<b>TOPIC 24</b> MONTE CARLO AND ANALYTICAL TECHNIQUES	667
<b>TOPIC 25</b> MRI/MRS	687
<b>TOPIC 26</b> NUCLEAR MEDICINE	709
<b>TOPIC 27</b> ORIENTAL AND ALTERNATIVE MEDICINE	729
<b>TOPIC 28</b> PERINATAL TECHNOLOGY	737
<b>TOPIC 29</b> PHYSIOLOGICAL MEASUREMENTS	745
<b>TOPIC 30</b> PROFESSIONAL ISSUES IN BE AND MP	771
<b>TOPIC 31</b> RADIATION METROLOGY	789
<b>TOPIC 32</b> RADIATION PROTECTION	805
<b>TOPIC 33</b> RADIOBIOLOGY	839
<b>TOPIC 34</b> REHABILITATION ENGINEERING	855
<b>TOPIC 35</b> RESPIRATORY SYSTEM	883
<b>TOPIC 36</b> SIGNAL PROCESSING	901
<b>TOPIC 37</b> TECHNOLOGY ASSESSMENT	937
<b>TOPIC 38</b> ULTRASOUND	957
LATE ABSTRACTS	987
AUTHORS INDEX	989