



Course	<b>The Internet of Things</b>																																			
Overview	To introduce key academics and market players to the emerging concept of networked interconnection of everyday objects or as described as the self-configuring wireless network of sensors whose purpose would be to interconnect all things. Principles and technologies for realising an Internet of Things (IoT) will be introduced to provide an operational framework that will assist participants in developing ICT course curricula, applications and services within the evolving IoT infrastructure and or pursuing research that will contribute to the development of the IOT.																																			
Objectives	<ul style="list-style-type: none"> <li>Provide framework &amp; support material for gaining entry into IoT development at different levels an with respect to           <ul style="list-style-type: none"> <li>introducing IoT concepts &amp; principles into the knowledge spectrum of those working in the industries of : manufacturing, logistics, sensors, information security and other</li> <li>developing applications and services that exploit IoT infrastructure and principles evaluate research interest in IoT</li> </ul> </li> </ul>																																			
Who should attend	<ul style="list-style-type: none"> <li>Postgraduate Students, Researchers and Professionals in information based networking, operations, applications.</li> </ul>																																			
Prerequisites	<ul style="list-style-type: none"> <li>one-page position paper describing a case of empowerment and its potential contribution to industry</li> <li>minimum experience in electronics and/or microcontrollers</li> <li>no experience in software and developing programs</li> </ul>																																			
Dates & Duration	<ul style="list-style-type: none"> <li>June 25,26, 2012</li> <li>2 days</li> <li>16 teaching hours</li> </ul>	<b>Class Daily Time Schedule</b>																																		
		<table border="1"> <thead> <tr> <th>Hr</th> <th>Starts</th> <th>Ends</th> <th>Intervals</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9:30</td> <td>10:15</td> <td></td> </tr> <tr> <td>2</td> <td>10:15</td> <td>11:00</td> <td>11:00-11:15</td> </tr> <tr> <td>3</td> <td>11:15</td> <td>12:00</td> <td></td> </tr> <tr> <td>4</td> <td>12:00</td> <td>12:45</td> <td>12:45-13:00</td> </tr> <tr> <td>5</td> <td>13:00</td> <td>13:45</td> <td></td> </tr> <tr> <td>6</td> <td>13:45</td> <td>14:30</td> <td>14:30-14:45</td> </tr> <tr> <td>7</td> <td>14:45</td> <td>15:30</td> <td></td> </tr> <tr> <td>8</td> <td>15:30</td> <td>16:15</td> <td></td> </tr> </tbody> </table>	Hr	Starts	Ends	Intervals	1	9:30	10:15		2	10:15	11:00	11:00-11:15	3	11:15	12:00		4	12:00	12:45	12:45-13:00	5	13:00	13:45		6	13:45	14:30	14:30-14:45	7	14:45	15:30		8	15:30
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Instructors	<a href="#">Prof. Lazaros Polymenakos</a> , <a href="#">Prof. John Soldatos</a> , <a href="#">Prof. Sofoklis Efremidis</a> , <a href="#">Prof. Tassos Dimitriou</a>																																			
Topics to be Covered	<ul style="list-style-type: none"> <li>networked interconnection of everyday objects</li> <li>self-configuring wireless network</li> <li>operational framework developing ICT applications and know how</li> </ul>																																			
Training Methodology	<ul style="list-style-type: none"> <li>Project Presentation</li> <li>Hands on Lab</li> </ul>																																			
Course outline	<b>Day 1</b> <ul style="list-style-type: none"> <li>CASAGRAS EU FP 7 project Inclusive model for IoT</li> <li>The Internet of Things – 3rd Waves in Communication Revolutions</li> <li>Ad-Hoc &amp; reconfigurable networks &amp; protocols</li> <li>Novel Applications and Services of the IoT</li> <li>Sensor &amp; Actuator Networks within the IoT</li> <li>Regulations &amp; Standards</li> </ul>	<b>Day 2</b> <ul style="list-style-type: none"> <li>RFID Application Dev. Platform</li> <li>Lab Tutorial</li> <li>SOA and the IoT</li> <li>Logistics Applications</li> <li>Security &amp; Privacy</li> <li>Web Interfaces to the IOT</li> <li>The real World Internet &amp; Socio Economic Aspects</li> </ul>																																		
Venue	AIT, Building B7, INTRACOM Campus, 19 km, Markopoulou Av, Peania 190 02 How to Reach AIT: <a href="http://www.ait.edu.gr/ait_web_site/how_to_reach_us.jsp">http://www.ait.edu.gr/ait_web_site/how_to_reach_us.jsp</a>																																			
Registration Form	<a href="http://hermes.ait.gr/registrations/multiple.php?prog=318">http://hermes.ait.gr/registrations/multiple.php?prog=318</a>																																			
Tuition Fee	<b>Single Participation: € 530,00</b> This course is also available for in-house training for 4-10 participants @ competitive pricing OAED funding may reach up to 100%, for more information please contact us. <b>Discount Policy Cancellation Policy</b>																																			
Contact	Katerina Protonotariou, Executive Education Manager, AIT, <a href="mailto:krpo@ait.gr">krpo@ait.gr</a> , 210 6682806, extn 5806																																			

