



*The Abdus Salam*  
**International Centre for Theoretical Physics**



Activity SMR: **2289**

# **Joint ICTP-TWAS Workshop on Low Cost Solutions for Wireless Connectivity**

14 November 2011 - 25 November 2011  
Guatemala City - GUATEMALA

**Total Number of Visitors: 37**

**Final List of Participants**

No.	NAME and INSTITUTE	Nationality	Function
<b>DIRECTOR</b>		<b>Total number in this function: 3</b>	
1.	<b>CIFUENTES ANLEU Edgar Anibal</b> Research Field :  Research Topic :  Permanent Institute: Universidad de San Carlos de Guatemala Facultad de Ingenieria Departamento de Fisica Ciudad Universitaria Zona 12 01012 Guatemala City GUATEMALA Permanent Institute e mail Edgar Cifuentes <cifuentes@fisica.usac.edu.gt>	GUATEMALA	<b>DIRECTOR</b>
2.	<b>PIETROSEMOLI Ermanno</b> Research Field :  Research Topic :  Permanent Institute: Fundacionl Escuela Latinoamericana de Redes EsLaRed Oficina Principal y Laboratorio Nucleo La Hechicera Facultad de Ingenieria Laboratorio de Redes (1er Piso) Merida 5101-A VENEZUELA Permanent Institute e mail ermanno@gmail.com	VENEZUELA	<b>DIRECTOR</b>
3.	<b>RADICELLA Sandro Maria</b> Research Field :  Research Topic :  Permanent Institute: Abdus Salam International Centre For Theoretical Physics Telecommunications ICT for Development Laboratory (T/ICT4D) Via Beirut 7 Trieste ITALY Permanent Institute e mail rsandro@ictp.trieste.it	ITALY	<b>DIRECTOR</b>

No.	NAME and INSTITUTE	Nationality	Function
<b>TUTOR</b>		<b>Total number in this function: 3</b>	
4.	<b>ARCIA MORET Andres</b> Research Field :  Research Topic :  Permanent Institute: Universidad de Los Andes Escuela de Ingenieria de Sistemas Facultad de Ingenieria Av. Dontulio 5101 Merida VENEZUELA Permanent Institute e mail andres.arcia@gmail.com	VENEZUELA	<b>TUTOR AND LECTURER</b>
5.	<b>FONDA Carlo</b> Research Field :  Research Topic :  Permanent Institute: Abdus Salam International Centre For Theoretical Physics Telecommunications ICT for Development Laboratory (T/ICT4D) Via Beirut 7 Trieste ITALY Permanent Institute e mail cfonda@ictp.trieste.it	ITALY	<b>TUTOR</b>
6.	<b>PERILLA JIMENEZ Carlos Andres</b> Research Field : <b>EMBEDDED SYSTEMS</b>  Research Topic : <b>DISTRIBUTED FAULT TOLERANT INSTRUMENTATION SYSTEMS</b>  Permanent Institute: Centro Internacional de Fisica Grupo de Fisica Aplicada Apartado Aereo 49490 Edificio Manuel Ancizar Ciudad Universitaria Santa Fe de Bogota COLOMBIA Permanent Institute e mail carlos.perilla@cif.org.co	COLOMBIA	<b>TUTOR</b>

No.	NAME and INSTITUTE	Nationality	Function
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**PARTICIPANT**

**Total number in this function: 31**

7. **AGUILAR Daniel** EL SALVADOR **PARTICIPANT**

Research Field : **COMPUTER NETWORKING**

Research Topic : **LAN IP IPV6 WIRELESS SECURITY SWITCHING ROUTING**

Permanent Institute:

Universidad Centroamericana

Jose Simeon Canas

Final Blvd- Los Próceres

frente a Torre Citi

Apartado Postal 01(168)

San Salvador

EL SALVADOR

Permanent Institute e mail [daguilar@uca.edu.sv](mailto:daguilar@uca.edu.sv)

8. **ANTONIO Leon** GUATEMALA **PARTICIPANT**

Research Field : **TELECOMUNICATIONS**

Research Topic : **TRANSMISSION LINE**

Permanent Institute:

Universidad Galileo

Departamento de Ciencias Fisicas

7a- Avenida- calle Dr- Eduardo Suger Cofiño 4A

01010 Guatemala

Guatemala

GUATEMALA

Permanent Institute e mail [ajleon@galileo.edu](mailto:ajleon@galileo.edu)

9. **BLANCO Otto** GUATEMALA **PARTICIPANT**

Research Field : **E . G**

Research Topic : **E . G**

Permanent Institute:

University Mariano Galvez

El Zapote zona 2

Guatemala

Guatemala

GUATEMALA

Permanent Institute e mail [blancootto@yahoo.com](mailto:blancootto@yahoo.com)

No.	NAME and INSTITUTE	Nationality	Function
10.	<b>CARBAJALES Rodrigo Jose</b> Research Field : <b>WIRELESS SENSOR NETWORKS ENVIRONMENTAL RADIATION</b> Research Topic : <b>INSTRUMENTATION FOR RESEARCH NUCLEAR REACTORS</b>	ARGENTINA	<b>PARTICIPANT</b>
	Permanent Institute: Instituto Balseiro- Centro Atómico Bariloche- Comisión Nacional de Energía Atómica- Universidad de Cuyo Av. Bustillo 9500 8400 San Carlos De Bariloche Río Negro ARGENTINA Permanent Institute e mail   rodri16@gmail.com		
11.	<b>CONTRERAS RODRIGUEZ Javier Omar</b> Research Field : <b>TELECOMMUNICATIONS</b>  Research Topic : <b>RADIO LINKS, ANTENNAS, TRANSMISSION, NETWORKING</b>	VENEZUELA	<b>PARTICIPANT AND TUTOR</b>
	Permanent Institute: Universidad de los Andes Department RedULA Alberto Carnevali Avenue Merida 5101 VENEZUELA Permanent Institute e mail   javierj@ula.ve		
12.	<b>CUC Benjamin</b> Research Field :  Research Topic :	GUATEMALA	<b>PARTICIPANT</b>
	Permanent Institute: Universidad de San Carlos de Guatemala Diagonal 17. 29-78 Zona 11 Guatemala City GUATEMALA Permanent Institute e mail   abcmilenium@gmail.com, abcuc@ing.usac.edu.gt		

No.	NAME and INSTITUTE	Nationality	Function
13.	<p><b>CUCHILLAC Victor Miguel</b></p> <p>Research Field : <b>INFORMATION TECHNOLOGIES AND COMMUNICATION</b></p> <p>Research Topic : <b>TEACHING ROBOTICS TO CHILDREN (AUTOMATION, LOGIC)</b></p> <p>Permanent Institute:</p> <p>Universidad Francisco Gavidia Alameda Roosevelt No. 3031 San Salvador El Salvador EL SALVADOR</p> <p>Permanent Institute e mail   vcuchillac@ufg.edu.sv</p>	EL SALVADOR	<b>PARTICIPANT</b>
14.	<p><b>CUTIE MUSTELIER Manuel</b></p> <p>Research Field : <b>COMPUTER SYSTEMS</b></p> <p>Research Topic : <b>DATA ACQUISITION AND NETWORKING</b></p> <p>Permanent Institute:</p> <p>Academia de Ciencias Centro Nacional de Investigaciones Sismologicas Calle 17 #61 Entre 4y6 Rpto. Vista Alegre 90400 Santiago De Cuba CUBA</p> <p>Permanent Institute e mail   mcutie@cenais.cu</p>	CUBA	<b>PARTICIPANT</b>
15.	<p><b>FONFRIA BRAGADO Carmen</b></p> <p>Research Field : <b>APPLIED INFORMATICS AND SCIENTIFIC INSTRUMENTATION</b></p> <p>Research Topic : <b>WIRELESS NETWORKING INSTRUMENTATION.</b></p> <p>Permanent Institute:</p> <p>Center of Technological Applications and Nuclear Development - CEADEN Development Department Calle 30 #502 e/ 5ta y 7ma 11300 Havana Miramar CUBA</p> <p>Permanent Institute e mail   carmen@ceaden.edu.cu</p>	CUBA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
16.	<p><b>GARBANZO SALAS Gustavo Adolfo</b>            Research Field : <b>WIRELESS NETWORKS</b></p> <p>Research Topic : <b>SECURITY, INTERFERENCE AND BANDWIDTH OF NETWORKS</b></p> <p>Permanent Institute:            University of Costa Rica            Campus Rodrigo Facio Brenes            School of Mathematics            Street 3 Ave Jose María Munoz            San Pedro Montes De Oca            San Jose            COSTA RICA            Permanent Institute e mail gustavo.garbanzosalas@ucr.ac.cr</p>	COSTA RICA	<b>PARTICIPANT</b>
17.	<p><b>GARCIA ARIAS William Enrique</b>            Research Field : <b>NETWORKING</b></p> <p>Research Topic : <b>SEGURIDAD</b></p> <p>Permanent Institute:            Universidad Tecnologica de El Salvador            Sobre 17 Ave. Nte. entre la 1ª Calle Pte y Calle Arce, Edificio José Martí</p> <p>EL SALVADOR            Permanent Institute e mail william.garcia@utec.edu.sv</p>	EL SALVADOR	<b>PARTICIPANT</b>
18.	<p><b>GARCIA OCHOA Juan Fernando</b>            Research Field :</p> <p>Research Topic :</p> <p>Permanent Institute:            UNIVERSIDAD DE SAN CARLOS DE GUATEMALA            Campus Central Zona 12            1011 Ciudad De Guatemala            GUATEMALA            GUATEMALA            Permanent Institute e mail juanferg8a@gmail.com</p>	GUATEMALA	<b>PARTICIPANT</b>

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19.	<p><b>GUILLEN SARITA Jose Felipe</b>            Research Field : <b>ENTORNO SOCIAL DE LA INFORMÁTICA</b>             Research Topic : <b>ETICA Y NORMATIVIDAD</b>             Permanent Institute:            Universidad Nacional Pedro Henriques Urena            Facultad de Ciencia y Tecnologia            Escuela de Informatica            Ave. John F. Kennedy Km 6 1/2            Santo Domingo            Distrito Nacional            DOMINICAN REPUBLIC            Permanent Institute e mail jguillen@unphu.edu.don</p>	DOMINICAN REPUBLIC	<b>PARTICIPANT</b>
20.	<p><b>JULIO CESAR Gonzalez Cordon</b>            Research Field : <b>SISTEMAS HARDWARE-SOFTWARE-DIVULGACIÓN CIENTÍFICA</b>            Research Topic : <b>REDES DE TELESCOPIOS ROBÓTICOS</b>             Permanent Institute:            Asociacion Civil para el Desarrollo Tecnologico ARGOS            16 calle 13-14 zona 1            01001 Guatemala            Guatemala            GUATEMALA            Permanent Institute e mail julio.gonzalez@argosguatemala.org</p>	GUATEMALA	<b>PARTICIPANT</b>
21.	<p><b>LOPEZ Erick</b>            Research Field : <b>SOFTWARE, IT INFRAESTRUCTURE, MANAGMENT</b>            Research Topic : <b>REDES, DESARROLLO DE SOFTWARE</b>             Permanent Institute:            Secretaria de Inclusion Social de la Presidencia de la Republica de El Salvador            Informatica            Avenida Jose Marti #15            San Salvador            San Salvador            EL SALVADOR            Permanent Institute e mail elopez@inclusion-social.gob.sv</p>	EL SALVADOR	<b>PARTICIPANT</b>



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22.	<p><b>MARROQUIN Alberto Jose</b></p> <p>Research Field : <b>WIRELESS / NON IONIZING RADIATION</b></p> <p>Research Topic : <b>WIRELESS SENSORS</b></p> <p>Permanent Institute:</p> <p>Universidad Galileo            Facultad de Ingenieria en Sistemas Informatica y Ciencias de la Computacion            Departamento de Electronica            Oficina 201            7 Av. Calle Final Dr. Suger zona 10            01010 Guatemala            Guatemala            GUATEMALA</p> <p>Permanent Institute e mail amarroquin@galileo.edu</p>	GUATEMALA	<b>PARTICIPANT</b>
23.	<p><b>MELGAR Javier</b></p> <p>Research Field :</p> <p>Research Topic :</p> <p>Permanent Institute:</p> <p>Universidad de San Carlos de Guatemala            Diagonal 17. 29-78            Zona 11            Guatemala City            GUATEMALA</p> <p>Permanent Institute e mail jav2_1@yahoo.com</p>	GUATEMALA	<b>PARTICIPANT</b>
24.	<p><b>MIRALLES LETRAN Eduardo Jose</b></p> <p>Research Field : <b>B.SC. THESIS ON WIRELESS NETWORKS</b></p> <p>Research Topic : <b>STATISCAL CONTROL APPLIED TO WSN'S</b></p> <p>Permanent Institute:</p> <p>San Carlos of Guatemala University            Faculty of Engineering            Department of Mechanical-Electrical Engineering            Building T-1 3rd level            Department of Mechanical-Electrical            Central Campus USAC, zone 12            01012 Guatemala            Guatemala            GUATEMALA</p> <p>Permanent Institute e mail eduardomrlls@gmail.com</p>	GUATEMALA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
25.	<p><b>MORALES Ivan Rene</b>            Research Field : <b>ELECTRONICS</b></p> <p>Research Topic : <b>ANALOG SIGNALS AND ITS DIGITAL INTERPRETATION</b></p> <p>Permanent Institute:            Universidad de San Carlos de Guatemala            Ciudad Universitaria, Zona 12            Guatemala            GUATEMALA            Permanent Institute e mail   ivan.rene.morales@gmail.com</p>	GUATEMALA	<b>PARTICIPANT</b>
26.	<p><b>OLIVA CASADO Andres Ixim Sebastian</b>            Research Field : <b>COMPUTER SCIENCES</b></p> <p>Research Topic : <b>IMAGING</b></p> <p>Permanent Institute:            Universidad de San Carlos de Guatemala, Facultad de Ingenieria            Edificio T1, Escuela de Fisica, Laboratorio 2            Ciudad Universitaria Zona 12            01066 Guatemala            Guatemala            GUATEMALA            Permanent Institute e mail   tian2992@gmail.com</p>	GUATEMALA	<b>PARTICIPANT</b>
27.	<p><b>PAREDES Miryam</b>            Research Field : <b>SEISMIC AND VOLCANIC MONITORING</b></p> <p>Research Topic : <b>ELECTRONICS, COMMUNICATIONS, SENSORS, EMBEDDED SYS</b></p> <p>Permanent Institute:            Geophysics Institute - National Polytechnic School.            Ladrón de Guevara E11-253 y Andalucía            EC170123 Quito            Pichincha            ECUADOR            Permanent Institute e mail   mparedes@igeptn.edu.ec</p>	ECUADOR	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
28.	<p><b>PEREZ Cristian</b>            Research Field : <b>NETWORKING, GPU COMPUTING</b>             Research Topic : <b>IPV6 ,VLC, MASSIVELY PARALLEL ARCHITECTURE</b>             Permanent Institute:            Grupo Gridtics            Facultad Regional Mendoza            Universidad Tecnologica National            Rodriguez 273            M 5502AJE Mendoza CP            ARGENTINA            Permanent Institute e mail cdl23@gmail.com</p>	ARGENTINA	<b>PARTICIPANT</b>
29.	<p><b>QUEZADA Francisco</b>            Research Field : <b>NINGUNA</b>             Research Topic : <b>NINGUNA</b>             Permanent Institute:            Asociacion CONEXION al Desarrollo de El Salvador            Calle La Reforma # 249 Colonia San Benito            San Salvador            EL SALVADOR            Permanent Institute e mail fcoquezada@conexionelsalvador.org</p>	EL SALVADOR	<b>PARTICIPANT</b>
30.	<p><b>RAMIREZ CASTELLANOS Jonnathan Sttev</b>            Research Field : <b>AUTOMATIC CONTROL</b>             Research Topic : <b>AUTOMATIC CONTROL APPLIED TO SYSTEMS POWER</b>             Permanent Institute:            Universidad de San Carlos de Guatemala Facultad de Ingenieria            Escuela de Ingenieria Mecanica Electrica            Edificio T-1, Ciudad Universitaria, Zona 12            01012 Guatemala            Guatemala            GUATEMALA            Permanent Institute e mail castellanoz@gmail.com</p>	GUATEMALA	<b>PARTICIPANT</b>

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31.	<p><b>RODRIGUEZ Manfredo</b>            Research Field : <b>NINGUNA</b>             Research Topic : <b>NINGUNA</b>             Permanent Institute:            Asociacion Conexion al Desarrollo de El Salvador            Calle la Reforma #249, Col. San Benito            San Salvador            EL SALVADOR            Permanent Institute e mail manfredo85@gmail.com</p>	EL SALVADOR	<b>PARTICIPANT</b>
32.	<p><b>RODRIGUEZ PEREZ Peter Alex</b>            Research Field :             Research Topic :             Permanent Institute:            Universidad Don Bosco            Infraestructura de T.I.            Calle Plan de Pino            Canton Venecia            Soyapango            San Salvador            EL SALVADOR            Permanent Institute e mail peter.rodriquez@udb.edu.sv</p>	EL SALVADOR	<b>PARTICIPANT</b>
33.	<p><b>ROMAN Viviana</b>            Research Field : <b>NETWORKING, MANAGEMENT.</b>             Research Topic : <b>WIRELESS, VIDEOCONFERENCING.</b>             Permanent Institute:            Universidad Centroamericana            Jose Simeon Canas            Direccion de Redes de Informacion            Blvd- Los Próceres            San Salvador            San Salvador            EL SALVADOR            Permanent Institute e mail vroman@uca.edu.sv</p>	EL SALVADOR	<b>PARTICIPANT</b>

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34.	<p><b>SALADO GUTIERREZ Salvador Antonio</b>            Research Field : <b>COMPUTACION DE ALTO RENDIMIENTO</b></p> <p>Research Topic : <b>TRABAJAMOS EN EL AREA DE GRID COMPUTING Y CLUSTER</b></p> <p>Permanent Institute:            Universidad Tecnologica de Panama            Bethania Ave. Universidad Tecnologica            Panama            Panama            PANAMA            Permanent Institute e mail salvador.salado@utp.ac.pa</p>	PANAMA	<b>PARTICIPANT</b>
35.	<p><b>SEVILLA REQUENO Oswaldo Josue</b>            Research Field : <b>FOURIER ANALYSIS, NUMERICAL METHODS</b></p> <p>Research Topic : <b>SOUND SYNTHESIS, ELECTROMAGNETIC SIGNALS</b></p> <p>Permanent Institute:            Universidad Tecnologica Centroamericana            Facultad de Ingenieria            Zona Jacaleapa, campus Tegucigalpa            Tegucigalpa            HONDURAS            Permanent Institute e mail sevilla.oswaldo@gmail.com</p>	HONDURAS	<b>PARTICIPANT</b>
36.	<p><b>SILVA GONZALEZ Kristoffer Jaffid</b>            Research Field : <b>TELECOMMUNICATIONS SCIENCE</b></p> <p>Research Topic : <b>SATELLITE COMMUNICATIONS</b></p> <p>Permanent Institute:            University of San Carlos de Guatemala            Engineering faculty            Department of electronics            10 street 32-53 zone 7            01000 Guatemala            Guatemala            GUATEMALA            Permanent Institute e mail kristoffer.jaffid@gmail.com</p>	GUATEMALA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
37.	<b>TRINIDAD Rodrigo</b> Research Field : <b>TELECOMMUNICATIONS</b>  Research Topic : <b>ENERGY EFFICIENCY IN WIRELESS NETWORKS</b>	GUATEMALA	<b>PARTICIPANT</b>
	Permanent Institute: San Carlos University of Guatemala Faculty of Engineering Mechanical-Electrical Department Building T-1 3rd level Department of Mechanical-Electrical Central Campus USAC, zone 12 01012 Guatemala Guatemala GUATEMALA Permanent Institute e mail   rodant10@gmail.com		