

Il ruolo femminile nel settore dell'Ingegneria

Prof. Marina Ruggieri

University of Roma Tor Vergata

Director, CTIF_Italy

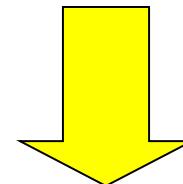
ruggieri@uniroma2.it

Una esperienza positiva



Aalborg, Denmark

Center for TeleInFrastruktur



Roma è stato
il secondo nodo nella
CTIF Global Network
(CTIF_GN)



Apertura del
CTIF_Italy
28/09/2006



CTIF Global Network



CTIF-USA
(California)
2009

OPEN



M.Ruggieri



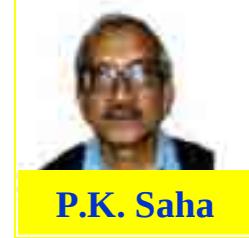
K.E.
Skouby



R. Prasad



CTIF-Italy
(Rome)
2006



P.K. Saha



S.Ohmori

CTIF-Japan
(Yokosuka Research Park)
2008



CTIF-India
(Kolkata)
2007

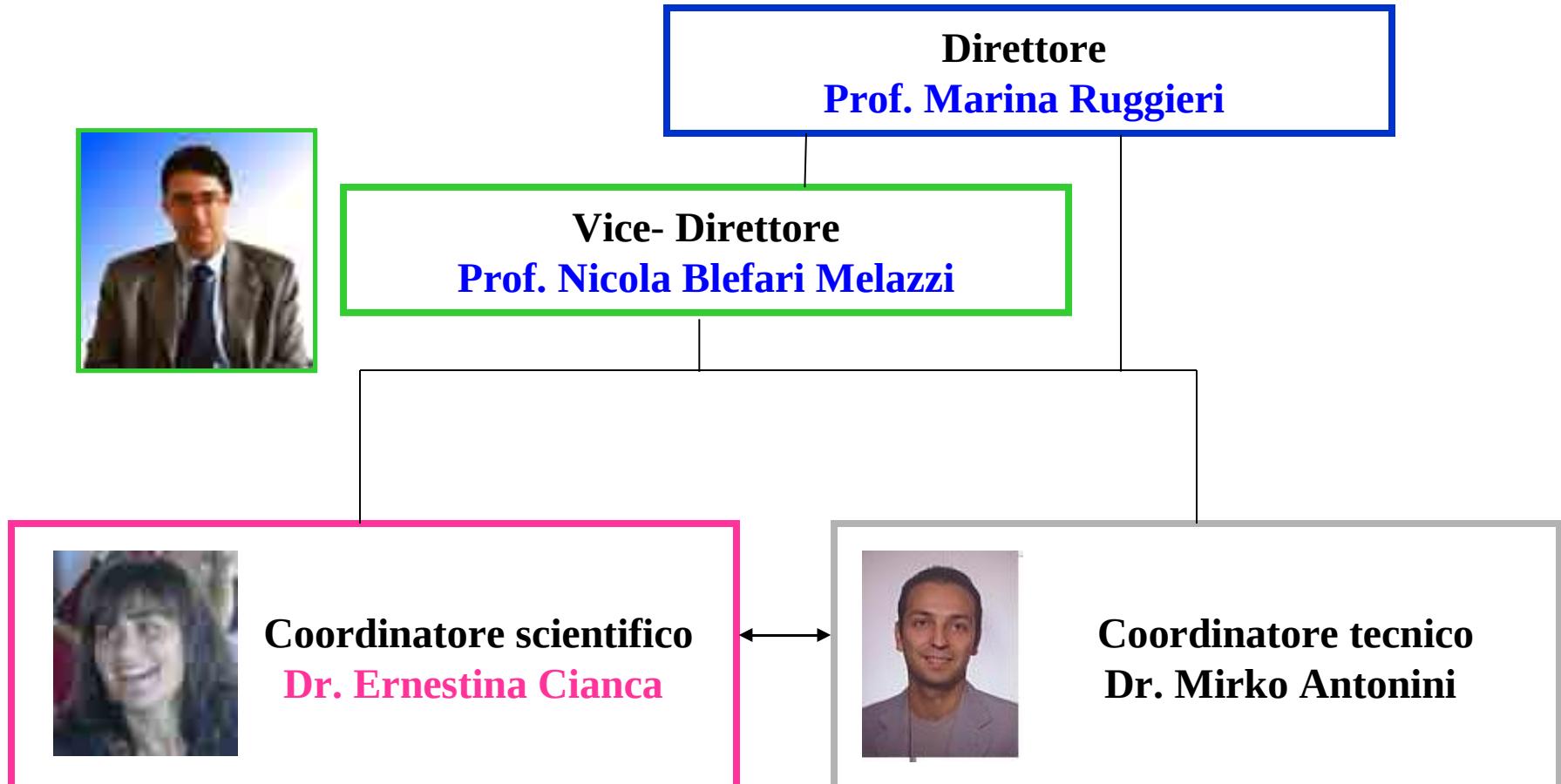
L'accesso ad ogni nodo consente quello all'intera rete

CTIF_Italy @University Roma Tor Vergata



Studenti: about 41 K

Professori/Ricercatori(perm): about 1.4 K

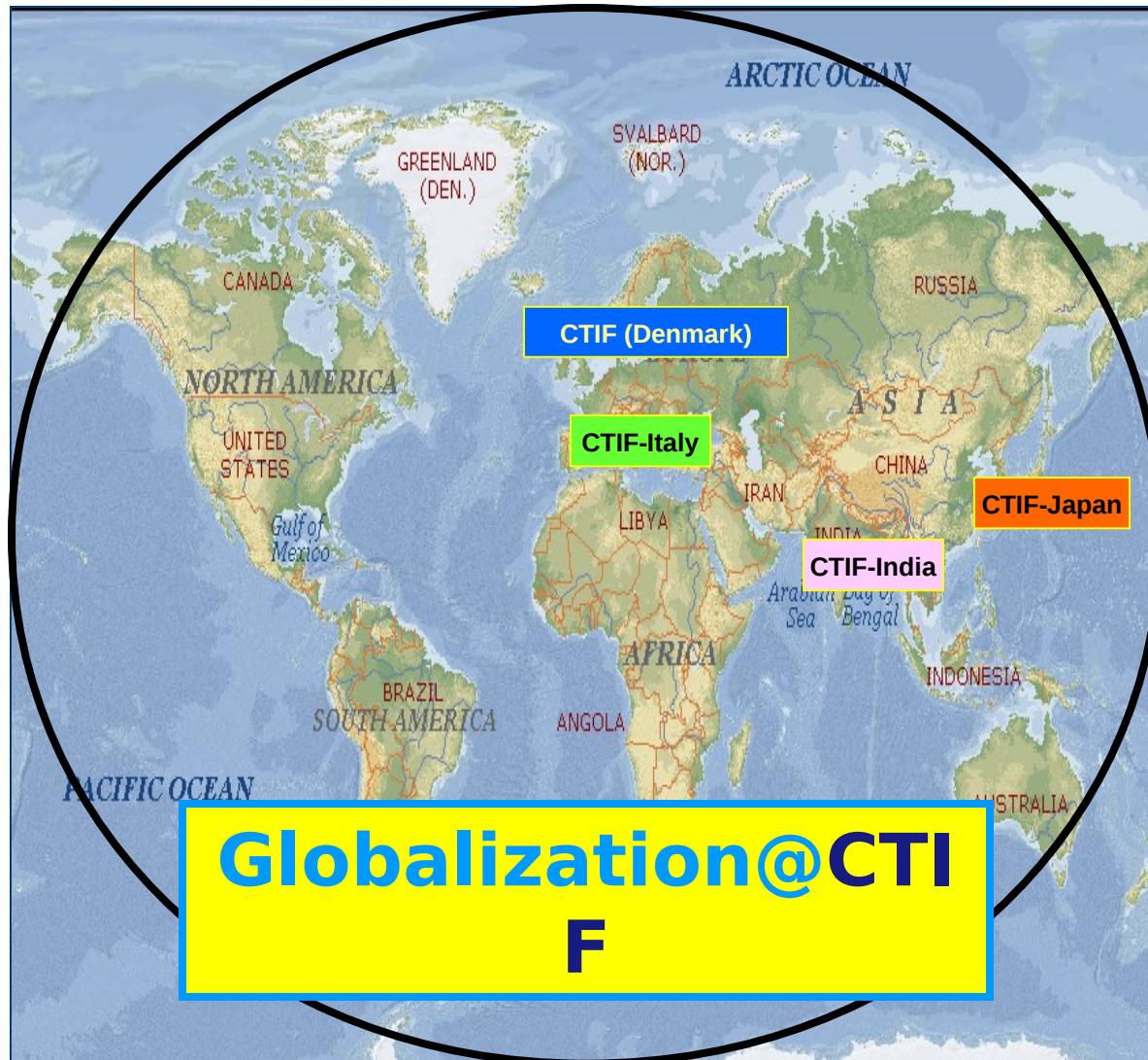




Dr. Mauro De Sanctis



Dr. Tommaso Rossi



Aalborg
Copenhagen

Roma

Kolkata

Tokyo

Strutture del CTIF_Italy

International Relations Office

Dr. Marina Tesauro

Engineering Faculty Service

Management Center

Prof. Vittorio Rocco

DIE

Prof. Franco Giannini

DISP

Prof. Giuseppe Italiano

DII

Prof. Lucio Bianco

DIM

Prof. Massimo Marinelli

Expertise

International Relations Office

Agreements, PR, Publicity,
Opportunities, Contacts, Funding

Engineering Faculty Service

Management Center

Aerospace, NavCom, Wireless &
Management Engineering,
Education in Engineering

DIE

Electronics & Telecom Eng.

DISP

Telecom, Nav & Surveillance,
Em & Antennas, Propagation,
Remote Sensing

DII

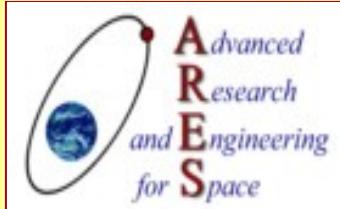
Operations Research and
Industrial Economics

DIM

Mechanical Processes,
Technologies and Materials

Supporting Consortia

Prof. Ernesto Limiti



University Roma tor Vergata
TECS
Rheinmetall Italia

W-band Technologies
Nanosatellites
Missions

MoU tra CTIF e ARES

W_BAND RADIO
TECHNOLOGY
LABORATORY

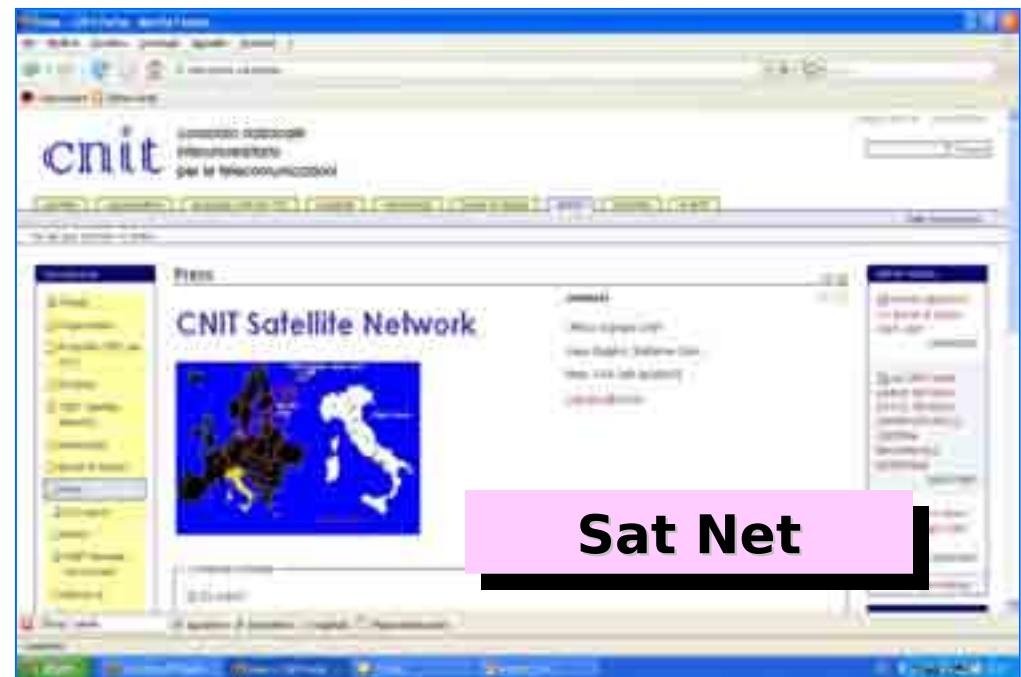


MoU tra CTIF e SYNTECH

BIO
TECHNOLOGY
LABORATORY



MoU tra CTIF e CNIT





Centro per le Telecomunicazioni

Italy

Center for Telecommunications



Aerospace and Electronic Systems Society (AES)

Marina Ruggieri
AES Ex.VP

AESS Operations Italy&WE
Space Systems Panel Chair

Sergio Greco
Deputy
AES Ops. Italy & WE

Ramjee Prasad
AESS Denmark Chapter

Gaspare Galati
AESS Italy Chapter





Centro per le Telecomunicazioni

Italy

Center for Telecommunications



ROME CHAPTER World Best Chapter (Herry Ingles Award)

President: Gen Isp. Pietro Finocchio, ITAF

Teledife

Roma Italy



**ARMED FORCES
COMMUNICATIONS
& ELECTRONIC ASSOCIATION
CAPITOLO DI ROMA**




CISCO. **FINMECCANICA** **AFCEA** The ARMED FORCES COMMUNICATIONS & ELECTRONICS ASSOCIATION ROME CHAPTER

ALITALIA AIRBUS An ALITALIA SUBSIDIARY **TOLLESPAZIO** A Division of Thales Alenia Space

DRAILINCO AVIONICA **EELEX** **TELECOM ITALIA**

An AFCEA International Symposium on

AEROSPACE TECHNOLOGIES and APPLICATIONS for DUAL USE

ROME
Hotel Parco dei Principi,
September 12 - 14, 2007

ROMA
HOTEL PARCO DEI PRINCIPI
VIA G. FRESCOBALDI, 5

IEEE **a e s s** **cnit** **ifip**

IEEE SYSTEMS COUNCIL

AFCEA

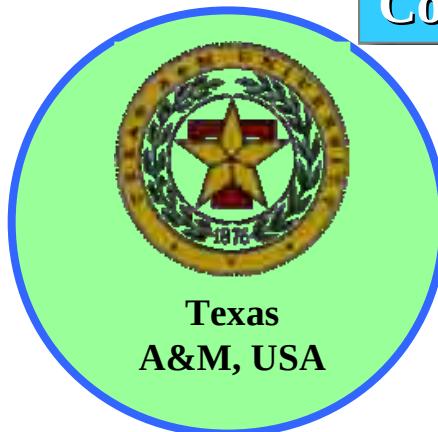
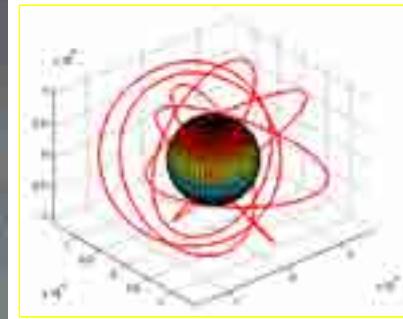
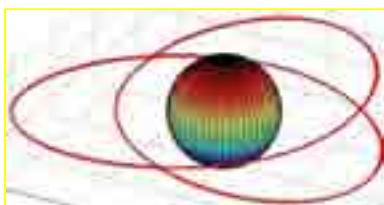




Centro per le Telecomunicazioni

Italy

Center for TeleInfrastruktur



Aree di attività

Wireless communications :

- Future Broadband Communications
- Radio Networking and Security
- Satellite Communications and Integration with terrestrial systems
- Short-Range Communications
- Medical Applications

Aerospace Systems (Telecom, GNSS, Earth Observation):

- Satellites, HAPs, Constellations, Formations
- Architectures, payloads, components
- Software
- Receivers
- Applications and services (including dual use)
- Experimental trials
- Data analysis

Information and Communication Technology (ICT) for Life

- Biotechnology
- Energy

Un gruppo di ricerca “globale”

Ph.D. Students

Cosimo Stallo (ARES)

Simone Barbera (IMT)

Marco Monti

Daniela Valente (RHI/ARES)

Emiliano Re (CGS)

Bharat Gupta (Int. Ph.D.)

Alessandro Boni

Joint Ph.D. Students

Daniela Valente

Rajarshi Sanjal

Research cooperation

Marco Lucente

Alexander Kocian

Sandeep Mukherjee

Nicola Marchetti

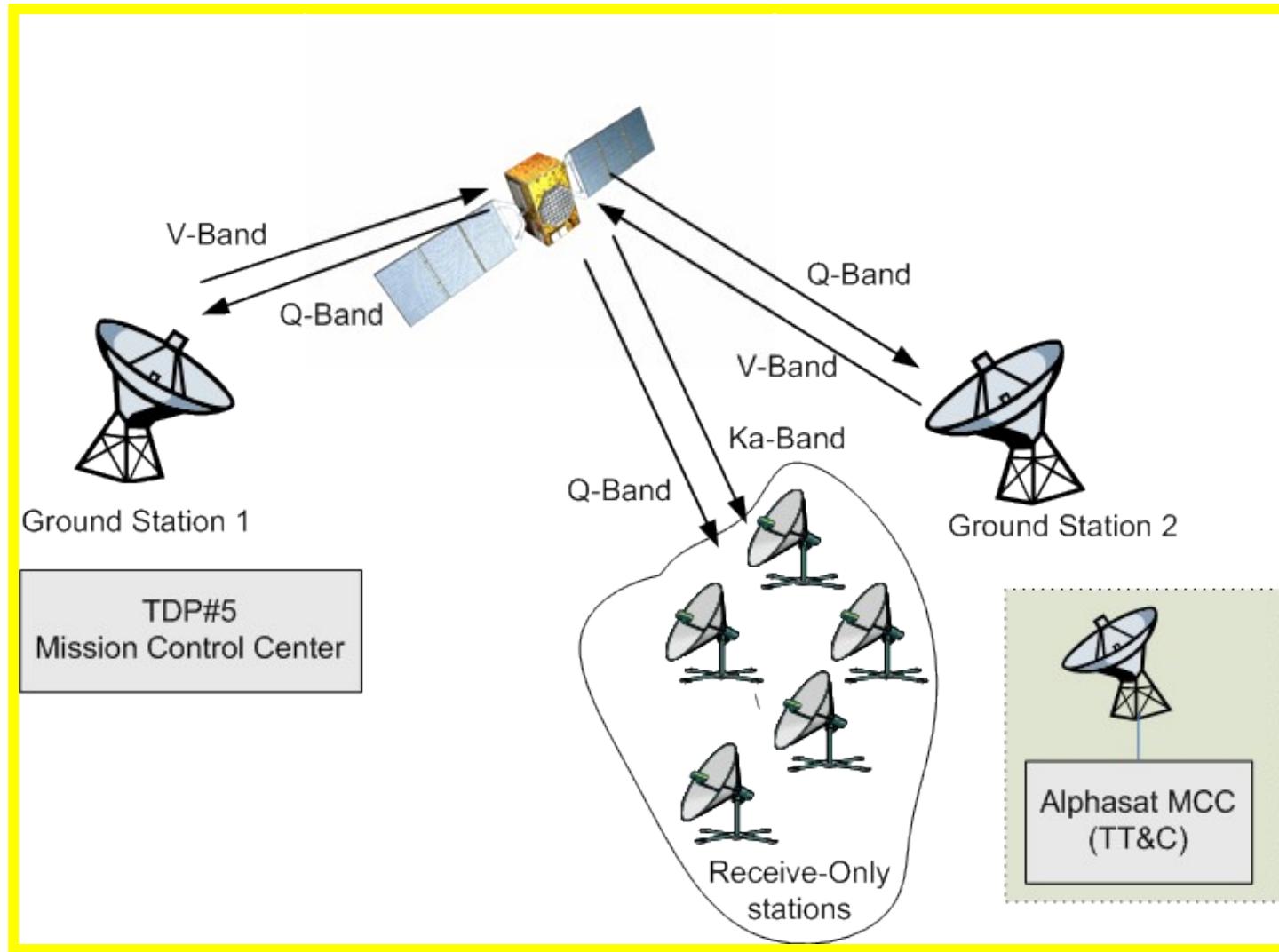
Brevetti congiunti

Inventors: **Mauro De Sanctis**, Marco Monti, R.Prasad, M.Ruggieri,

Title: Coexistence Mechanism Between WPANs:
Alternating Wireless Activity (AWA)

Inventors: Simone Frattasi, Marco Monti, R. Prasad

Title: Cooperative localization system for mobile-aided wireless communication



Stazioni in banda Q/V del satellite Alphasat saranno al CTIF (Italia e Danimarca)



M.Sc on Advanced Communications and Navigation Satellite Systems (www.mastersnazio.it)

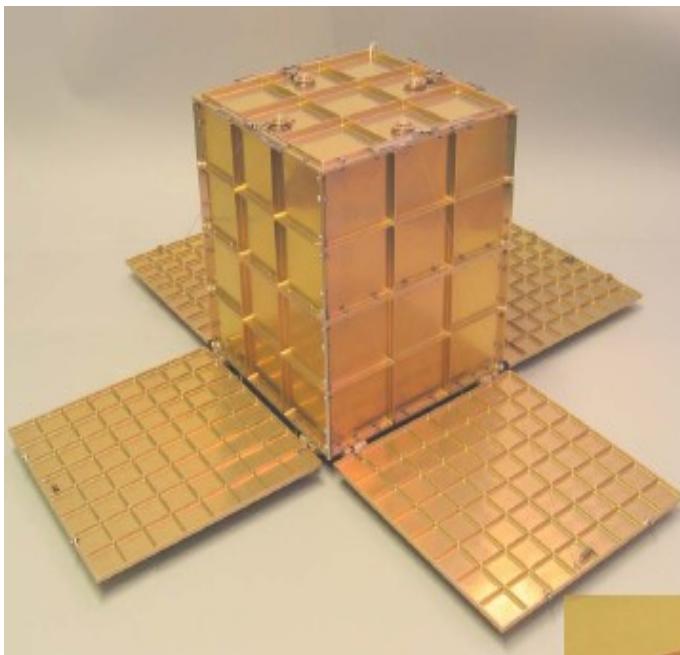
VII edition Academic Year 2009-2010

The M.Sc. Course in Advanced Communications and Navigation Satellite Systems provides a high-level professional qualification for engineering and physics post-graduate students and it offers them new and advanced skills on satellite communications and navigations.

The course build professionals capable of understanding, developing and managing space-related issues and arising business opportunities; professionals that totally meet the demands of a continuously evolving market.

The admission procedure will be closed on November 30, 2009.

EDUSAT (EDUcational SATellite, ASI)



The satellite (parts of it) will be integrated in the secondary schools (they will receive a tool kit).

The satellite (called NADIR) will be launched and even if it has mainly training purposes, it could be used for scientific purposes or remote sensing

Theoretical and practical lectures will be given

81 schools already subscribe the programme

Weight <30 kg

EDUSAT



Arriva fino a dove puoi vedere.
Quando sei il potrai vedere più
lontano.

Discover Earth

Il programma, si anticipa offrendo 3 moduli didattici e una ricchezza aggiuntiva con
frequenze giulietti 2 anni della Scuola Media Superiore. Ognuno dei moduli, sarà
composto di due volte in LEZIONI TEORICHE, IN ESERCITAZIONE IN LABORATORIO.

Per poterlo, ovviamente, non è stato scritto conoscendo le tre o quattro lingue italiane, però sono
disponibili già al momento di base i materiali SPA-200.

In particolare un discorso interno della progettazione dell'Espresso delle cosiddette di
scienze tenendo conto del contenuto di legge che descrivono il ruolo decisivo dei
cosiddetti sistemi satelliti in legge di REPUBBLICA e numerosi strumenti di funzione
comunicativa terrestre, alle nuove di indirizzate in progettazione legge sulle
“operazioni” sui SATELLITI AD ATTIVITÀ IN CIELO.

Questi ultimi, secondo l'oggetto delle scienze che riguardano, non sono spesso
mai loro indirizzate correttamente. Non sarebbe in vero MISERIA tutti i conoscere
potranno imparare.

La scienza di base alla progettazione di installare con i cosiddetti vettori di
LAVORATORI (i veicoli spaziali che sono funzionali per realizzare la coltura, i
Satellite) e poi per **STAZIONE DI TERRA**, dedicata al controllo dei Satellite ed alle
funzioni che sono nel vettore.

La dimensione di Colore Marco, costituitamente per gli studenti, rappresenta di
mettere in PRATICAMENTE anche principi delle scienze esatte allo scopo
delle quali servire riducendo così la nostra redditualità il DIBUJO DE UNO
SATELLITE DI BASE (satellite di grandi formidabili) DISEÑO POCO a
realizzare e le dimensioni di energia come le energie elettriche, comunque
il legame tra campo magnetico terrestre e campo magnetico generato a bordo,
in funzione dati da utilizzare quantitativi per determinare il Costante magnetismo
terrestre, come le diverse operazioni proprie magneti e magneti-
che PROTECTORAS, relativamente circondato formato di
materiali ferromagnetici elettricamente attivati.

La sezione di Lavoratori studiando il tipo (tipo di VETRO E COTONE) che
preferiamo gli studenti adottare in due programmi DIBUJO DE UN COLESTA
con i quali si trovano rispettivamente un grido di tempi in tempo reale
e maggiore controllo nelle cose fognate da fatto tecnologico, coi effetti dei
loro possibili problemi.

Progetto di Satelliti

Equipaggiare SAT

Progetto in cui alle scienze
è possibile per la
realizzazione di un dispositivo
tecnologico per
misurare il satellite su cui
è bloccato (entro nel 2010).

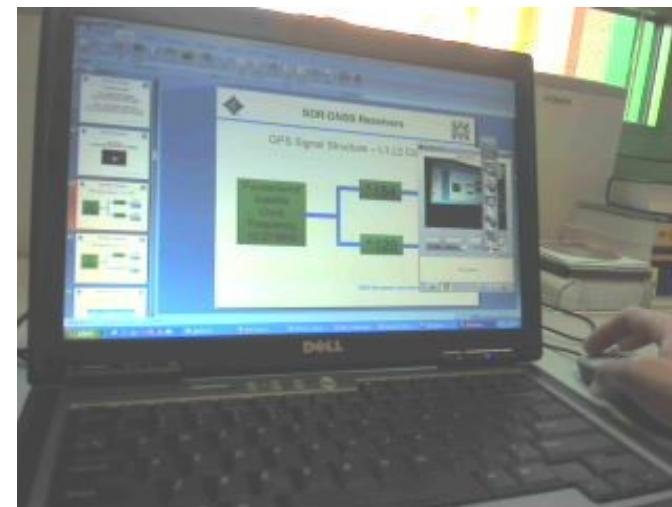
Cerca nei siti:

Scopri la storia

Una di missione IP 200
dal docce: 2000-06-06



AESS TUTORIALS DEVELOPMENT



IEEE Aerospace and Electronic Systems Society



VIDEO ED HOME

About

Tutorials

Courses

Student Lectures

Lecturer Info

Education Blog

AESS HOME

Highlights

IEEE-AESS
Education Website is
operational.

AESS Education

About the AESS Education Website

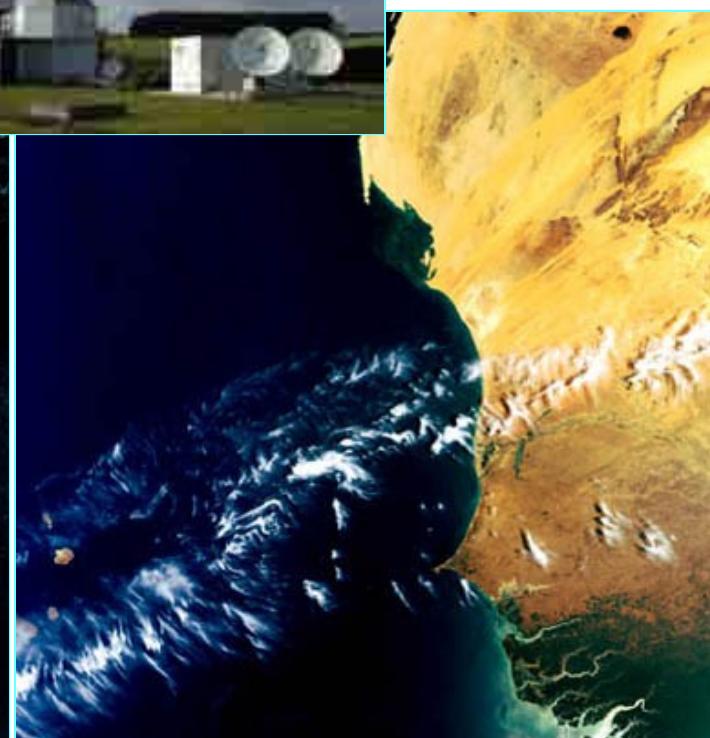
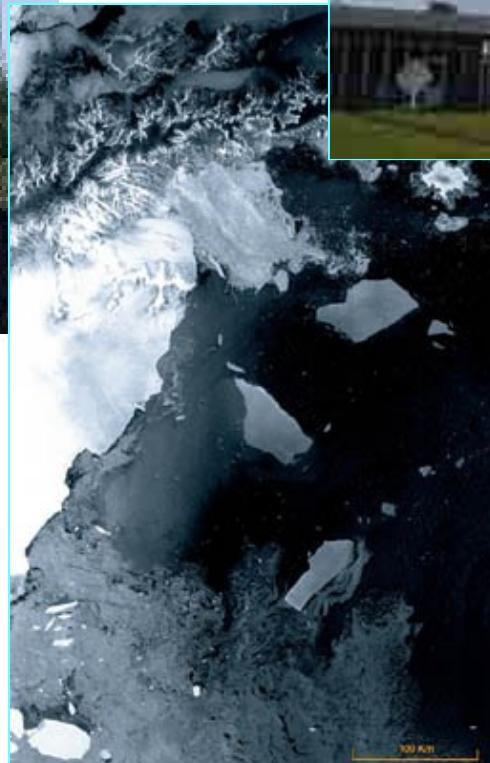
With the launching of this website, the Board of Governors of the IEEE Aerospace & Electronic Systems Society (AESS) announces a significant new video education initiative for the aerospace and electronic systems technical community. This education initiative will initially focus on three categories of educational instruction:

- ◆ Tutorials
- ◆ Courses
- ◆ Student Lecture Series

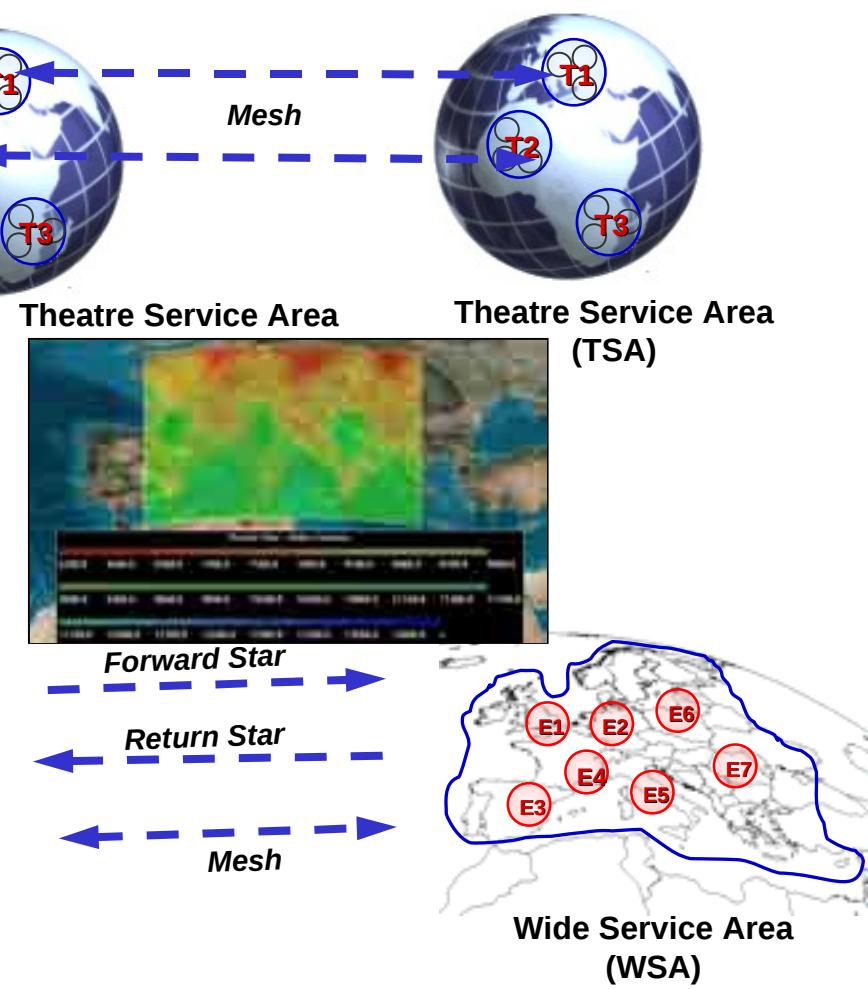
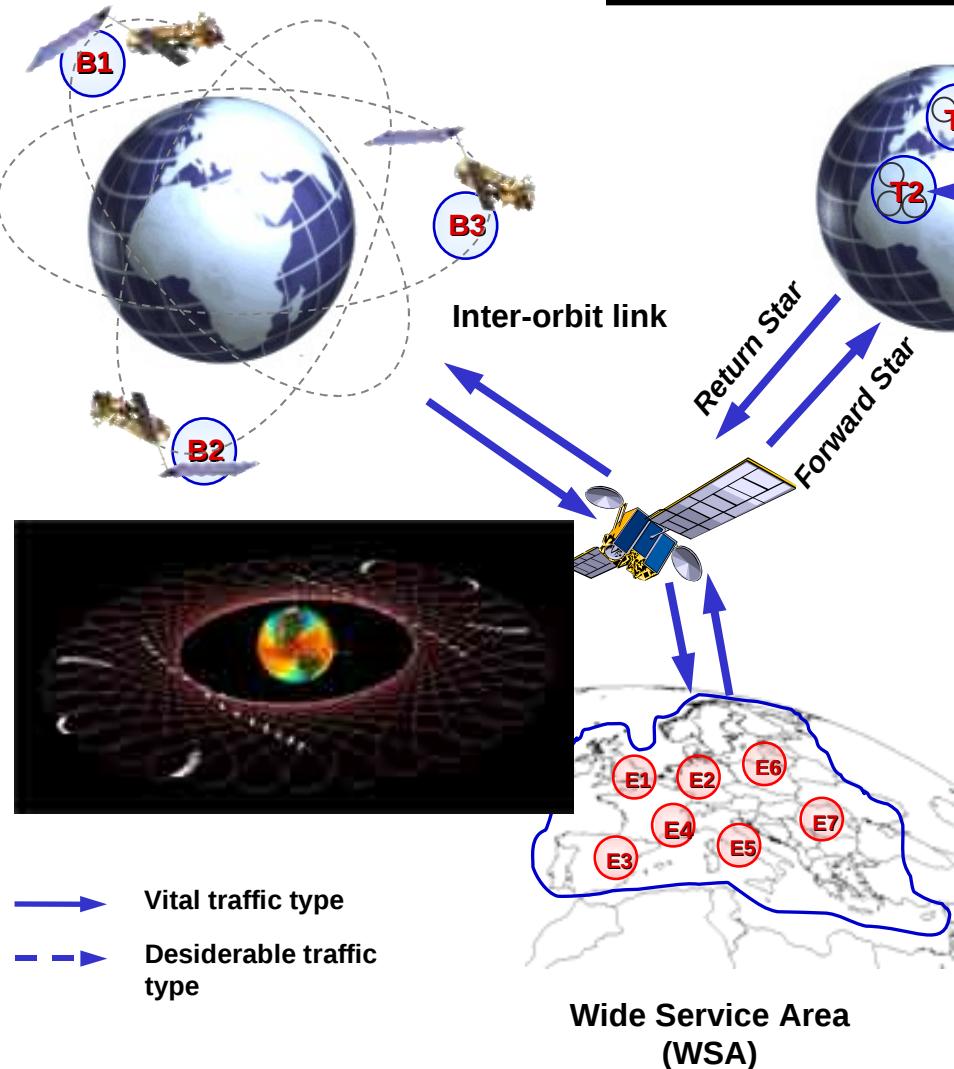
The Board of Governors has invested the required capital to purchase the required video recording equipment and computers (both servers and development systems). This education webpage, its derivative pages, and the recorded educational material presently operate on the AESS Education server.

Eclettismo e Flessibilità

Un esempio: i Sistemi Spaziali



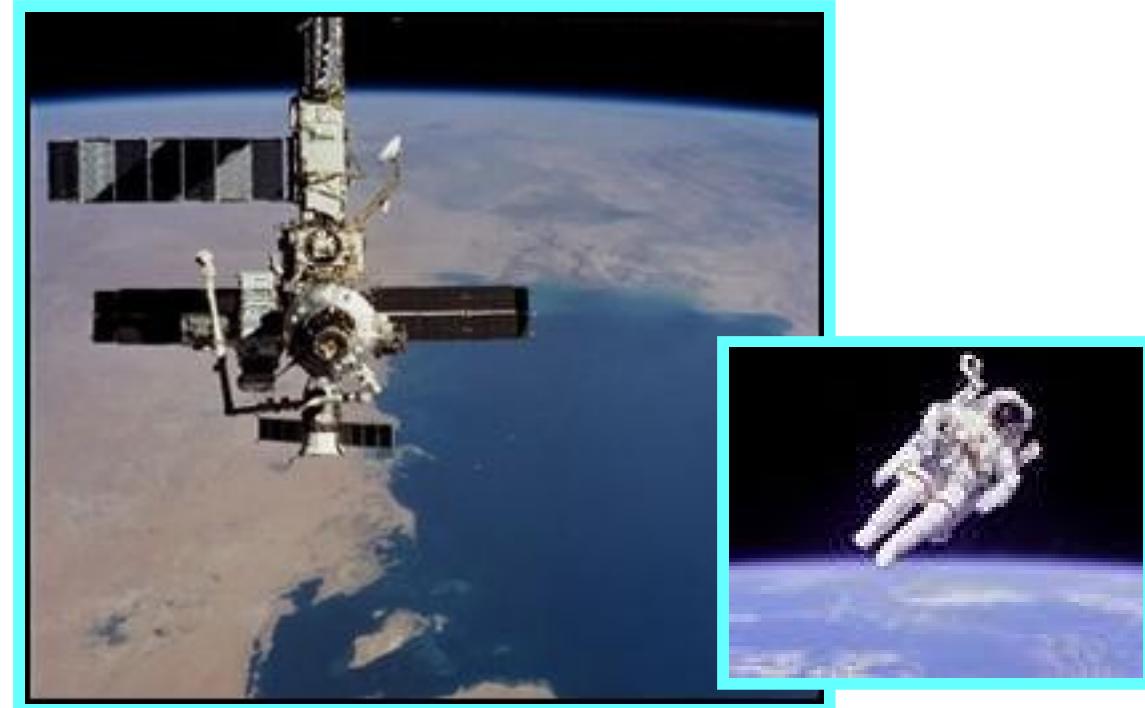
Un esempio: i Sistemi Spaziali



Un esempio: i Sistemi Spaziali



Un esempio: i Sistemi Spaziali



International Space Station (ISS)



Centro per le Telecomunicazioni

Italy

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Ingegneria per la *Quality of Life (QoL)*

Health Engineering

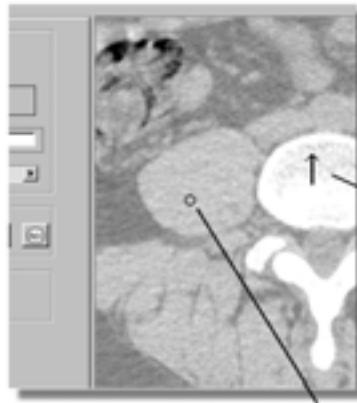


A screenshot of the Telediagnosi software interface. The main window shows a grayscale medical image of a brain scan. On the left, there's a form with various input fields: 'Numero di immagini' (Number of images) with value '1', 'Dimensione del file' (File size) with value '1000x1000', 'Tipo di file' (File type) with value 'ACR-NEMA 2', 'Data dello Studio' (Study date) with value '1996.12.02', 'Data della Serie' (Series date) with value '1996.12.02', 'Data dell'Acquisizione' (Acquisition date) with value '1996.12.02', 'Data dell'immagine' (Image date) with value '16.32.35.000', 'Orario dello Studio' (Study time) with value '16:38:46.783', 'Orario della Serie' (Series time) with value '16:38:46.783', 'Orario dell'Acquisizione' (Acquisition time) with value '16:38:46.783', 'Orario dell'immagine' (Image time) with value '16:38:46.783', 'Modalità' (Modality) with value 'CT', 'Nome del Paciente' (Patient name) with value 'GAZES CYRIL', 'ID' with value '3687', 'Data di nascita' (Birth date) with value '1974.07.23', 'Sesso' (Sex) with value 'M', 'Età' (Age) with value '022Y', and 'Posizione' (Position). At the bottom, there are tabs for 'Talk', 'Strumenti', 'Dati file', and 'Note'. A 'Help' icon is also present. A modal 'About' dialog box is open in the center, titled 'A proposito di ...'. It contains the software logo 'Telediagnosi', the version 'Versione 0.1 - 20/06/1998', copyright information 'Copyright: Gruppo Calcolo Dip. di Scienza dei Materiali Università di Lecce', and author names 'Lino Piegiani', 'Rosella Cataldo', and 'Giorgio De Nunzio'. An 'OK' button is at the bottom of the dialog.

The screenshot shows a software application window titled 'Sternchen'. On the left, there is a video feed of a person sitting in a chair. Below the video is a form with fields for 'Patientenname', 'Vorname', 'Nachname', 'Vorname Mutter', 'Nachname Mutter', 'Telefonnummer', 'Name', 'Vorname', 'Name', 'PLZ/Ort', 'Telefon Nr.', 'Urgent', 'Notruf', 'Status', and 'Ferien'. The main area contains a grid of treatment slots. Each slot has a title like 'Pflege 2006', 'Arzt 2006', 'Arzt 2006', and 'Mol 2006'. Below these are four columns of time slots from 09:00 to 12:00, each with a 'Reserviert' button. A red box highlights the 'Reserviert' button for the 'Arzt 2006' slot at 10:00.

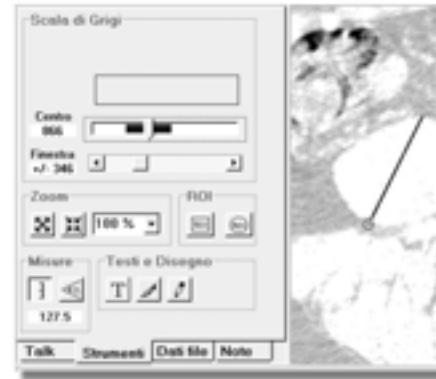


Health Engineering



(a)

 Puntatore
del server

 Puntatore
del client


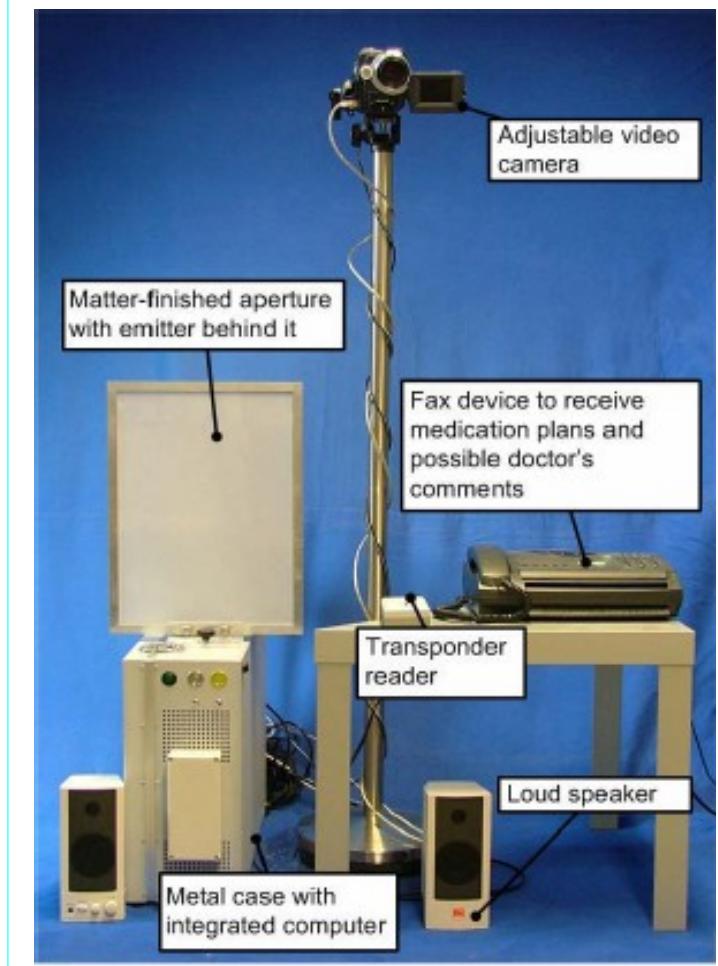
(b)



(c)



(d)



Satellite+Health Engineering



ICT for Energy



Green communications



Centro per le Telecomunicazioni

Italy

Center for Telecommunications



<http://ctif.uniroma2.it/>

The screenshot shows the homepage of the CTIF Italy website. At the top, there's a banner with a globe and the text "Globe view - Dansk-italiensk". Below it is the CTIF Italy logo and a search bar. A large banner image features a satellite in space. On the right, there's a timestamp "18 October 2007 | 1:03:19". The main menu includes links for HOME, DEAF, FORTEZZA, PROJECTS, PARTNERS, ASSOCIATIONS, and CONTACTS. On the left, there's a sidebar with "Private Area" and other navigation links. The central content area has a heading about the development plan and a call for joint activities between Italy and Denmark.

In the development plan of the Danish CTIF, Italy is the only other selected European CTI. In fact, further branches will be opened in USA, India, and Indonesia. The important implications of this agreement frame the ongoing activities between Italy and Denmark in a new dimension of coherence and synergy affecting the achievement of higher and higher future goals.

The coming page is to written in the frame of the cooperation between this old Denmark stimulates the proposal of joint initiatives where the Danish, universities, business and international contacts of the two countries can be merged and exchanged for the common aim of shaping a bright future of the complex and challenging new horizons.

grazie!

