

GIUSEPPE CELESTE

SKILLS

HIGH KNOW-HOW AND EXPERTISE TO ANALYZE, PROJECT, DEVELOP, REALIZE AND EVOLVE INNOVATIVE SOLUTIONS IN THE HIGH TECH SECTOR. STEADY COLLABORATION WITH NATIONAL AND INTERNATIONAL ENTERPRISES UPON MANY IMPORTANT PROJECTS. BUSINESS RELATIONSHIP CAPACITY, COORDINATION AND MANAGEMENT ROLE IN PUBLIC AND PRIVATE AGENCIES.

CORE SKILLS:

- FEASIBILITY ANALYSIS
- NEEDS AND REQUIREMENTS ANALYSIS
- RESEARCH, DESIGN, DEVELOP OF HARDWARE AND SOFTWARE SOLUTIONS
- ARCHITECTURES FOR NETWORKING, VIRTUALIZATION AND CLOUD COMPUTING
- DESIGN OF IT SOLUTIONS FOR BIG DATA AND COGNITIVE ANALYTICS
- CONSULTING
- ADVISORING

THE SCIENTIFIC BACKGROUND AND THE MULTIDISCIPLINARY EXPERIENCE ACQUIRED IN THE FIELD OF ELECTRONICS, INFORMATION TECHNOLOGY, BIOENGINEERING AND EXPERT SYSTEMS, LET ME TO ADDRESS ADDED VALUE AND ORIGINALITY TO RESEARCH, PROJECTS AND SUPPORT ACTIVITIES FOR THE IMPLEMENTATION OF ICT PLANS THROUGH ORGANIZATIONAL PROCESS, INFORMATICA AND INFRASTRUCTURAL ACTIONS. EXPERIENCES STEADY FRAMED ON SEVERAL COLLABORATION WITH THE SCIENTIFIC COMMUNITY AND THE BUSINESS WORLD AND ENFORCED WITH ACTIVE PARTICIPATION IN NATIONAL AND INTERNATIONAL RESEARCH PROJECTS AND TENDER.

MAIN INTEREST

CONSULTING:

STRATEGIC CONSULTANCY FOR BUSINESS DEVELOPMENT AND TECHNOLOGY RESEARCH ON ENTREPRENEURIAL ACTIVITIES (FEASIBILITY STUDIES, BUSINESS PLANS, PLANNING, COORDINATION, ACQUISITION, BUSINESS MANAGEMENT, ETC.), FOR PUBLIC AND PRIVATE ENTITIES, FOR FUNDING RESEARCH ON NATIONAL AND INTERNATIONAL INNOVATION PLANS.

RESEARCH AREA:

SAFETY & SECURITY, AUGMENTED REALITY, ROBOTICS, IOT APPLICATIONS AND CYBER PHYSICAL SYSTEMS, DATA MINING, COGNITIVE ARTIFICIAL SYSTEMS, ARCHITECTURE DESIGN AND COMPUTER APPLICATIONS IN MASSIVE PARALLEL PROCESSING AND CLOUD COMPUTING ENVIRONMENTS.



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GIUSEPPE CELESTE

EDUCATION

PHD COURSE IN COMPLEX SYSTEMS ENGINEERING
METHODOLOGIES DEFINITION FOR A BIM/GIS INTEGRATION FRAMEWORK.
THE MANAGEMENT OF CRITICAL INFRASTRUCTURE CASE STUDY.

ENROLLED IN REGISTER OF "ORDINE DEGLI INGEGNERI" KEPT BY THE
PROVINCE OF MESSINA IN SECTION A. SECTOR: AA: CIVIL AND
ENVIROMENTAL, AB: INDUSTRIAL, AC: INFORMATION, WITH REGISTRATION
NUMBER 2320
PROFESSIONAL QUALIFICATION: ELECTRONIC ENGINEER

QUALIFIED TO PRACTICE AS A PROFESSIONAL ELECTRONIC ENGINEER.
PROFESSIONAL QUALIFICATION: ELECTRONIC ENGINEER

MASTER DEGREE IN ELECTRICAL ENGINEER (D.M. 509/99), FACULTY OF
ENGINEERING OF THE UNIVERSITY OF MESSINA, RAPPOREUR PROF.
LORENZO VITA.
DEGREE THESIS: "MULTIMEDIA STORAGE – MULTIMEDIA DATA SYSTEMS"
PROFESSIONAL QUALIFICATION: ELECTRONIC ENGINEER

SECONDARY SCHOOL DIPLOMA AT HIGH SCHOOL "G. SEGUENZA".

COMPUTER SKILLS

BIG DATA PROCESSING ALGORITHMS AND
TECHNIQUES
DESIGN AND IMPLEMENTATION OF SCALABLE
ARCHITECTURES FOR MASSIVE PARALLEL
PROCESSING.
VIRTUALIZATION AND CLOUD ARCHITECTURES
AND SYSTEMS.
DESIGN AND IMPLEMENTATION OF VIRTUAL
REALITY SYSTEMS AND AUTOMATION
SYSTEMS.
ARTIFICIAL INTELLIGENCE AND ROBOTICS.
BIOENGINEERING AND TELEMEDICINE.
DIGITAL IMAGE PROCESSING AND
BIOMEDICAL SIGNALS.
DESIGN AND IMPLEMENTATION OF IOT
ECOSYSTEMS.

RELATIONAL SKILLS

APTITUDE TO WORK, INTERACT,
COMMUNICATE IN TEAM. APTITUDE FOR
DIDACTIC TUTORING, TEACHING AND ON-
THE-JOB TRAINING. ADAPTABILITY,
RESOURCEFULNESS, STRONG CURIOSITY AND
INTUITION.
INTERESTS: TECHNOLOGY, ART, NATURE,
MUSIC, ANCIENT CIVILIZATIONS.

ORGANIZATIONAL SKILLS

TEAM COORDINATION, SKILLS ASSESSMENT
AND DISTRIBUTION WITHIN THE TEAM. TEAM
MOTIVATION SKILLS. SENSE OF
RESPONSABILITY AND OBJECTIVITY IN THE
EVALUATION OF CHOICES. APTITUDE TO
CONTROL WORK STRESS AND EMERGENCY
SITUATIONS. APTITUDE IN THE MANAGEMENT
OF PEOPLE, PROJECTS, RESOURCES.

GIUSEPPE CELESTE

AWARDS, REGISTRATIONS AND PATENTS

2004

DESIGN AND IMPLEMENTATION OF ONE OF THE FIRST EXAMPLE OF INTEGRATED SYSTEM FOR THE USE OF VOICE, DATA, SURVEILLANCE AND MULTIMEDIA DISTRIBUTED ON WIRED AND WIRELESS AT THE NEW FACULTY OF ENGINEERING OF MESSINA. THE SYSTEM WAS AWARDED BY CISCO SYSTEM AS THE BEST INTEGRATION AT THE EUROPEAN LEVEL. PROJECT MENTIONED BY MINISTER BRUNETTA IN THE LIST OF 100 INITIATIVES FOR PA PROCESS INNOVATION AT 2008.

2003

DESIGN, DEVELOPMENT AND REGISTRATION OF A BILLING SOFTWARE PRODUCT, "ORION", ON IP FONIA SYSTEMS BASED ON CISCO SYSTEMS PLATFORMS THAT WAS IMPLEMENTED WITHIN LOCAL PUBLIC ADMINISTRATIONS AND UNIVERSITIES. THIS PRODUCT HAS BEEN RECOGNIZED AND AWARDED BY CISCO SYSTEMS AS "KILLER APP" OF THE YEAR.

2001

DESIGN AND IMPLEMENTATION OF ONE OF THE FIRST EXAMPLES OF INTEGRATED FONIA/DATA INTERCONNECTION AT THE UNIVERSITY OF CATANIA. PROJECT MENTIONED BY MINISTER BRUNETTA IN THE LIST OF 100 INITIATIVES FOR PROCESS INNOVATION IN PUBLIC ADMINISTRATION IN 2008.

23/12/2008 SIAE N° 007024 ORD. D006243

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14/01/2019 PATENT PENDING N° 102019000000565

INTELLIGENT PERIPHERAL SYSTEMS FOR IOT NETWORK

WORK EXPERIENCE

NOWADAYS

RESEARCHER FOR CNR ISASI - INSTITUTE FOR APPLIED SCIENCES AND INTELLIGENCE SYSTEMS - RESEARCH ACTIVITIES ON ADVANCED TECHNIQUES OF AUGMENTED REALITY, ROBOTICS, IOT AND CYBER PHYSICAL SYSTEM APPLICATIONS, DATA MINING, DESIGN OF ARCHITECTURES AND COMPUTER APPLICATIONS IN MASSIVE PARALLEL PROCESSING AND CLOUD COMPUTING ENVIRONMENTS.

NOWADAYS - CONSULTANT

STRATEGIC CONSULTANT FOR TECHNOLOGY RESEARCH AND BUSINESS DEVELOPMENT ON ENTREPRENEURIAL ACTIVITIES (FEASIBILITY STUDIES, BUSINESS PLANS, M&A, PRIVATE AND PUBLIC FUNDING RESEARCH, PLANNING, INNOVATION, ETC), FOR PUBLIC AND PRIVATE ENTITIES.

2019 – NOWADAYS

MEMBER OF THE TECHNICAL COMMITTEE OF THE REGIONAL OBSERVATORY ON UNAUTHORIZED ACTIVITIES IN INFORMATION SYSTEMS FOR REGIONE PUGLIA - SUPPORT FOR THE DEFINITION OF METHODOLOGIES, MODELS, PROCESSES, STRUCTURES AND INNOVATIVE TECHNOLOGIES TO ENHANCE SECURITY AND SAFETY OF INFORMATION SYSTEMS AND CRITICAL INFRASTRUCTURES.

2019 – 2022

NATIONAL CUSTOMS AGENCY - SUPPORT FOR THE DEFINITION OF METHODOLOGIES, MODELS, PROCESSES, STRUCTURES AND INNOVATIVE TECHNOLOGIES TO ENHANCE CUSTOMS ACTIVITY, WITH PARTICULAR ATTENTION TO THOSE OF INSPECTION AND ANTI-FRAUD CONTROL.

2016 – 2019

GIUSEPPE CELESTE

IRCCS BONINO PULEJO CENTRO NEUROLESI - CONSULTANT FOR CLINICAL SERVICE OF TELEMEDICINE AND BIOMEDICAL TECHNOLOGIES

2014 – 2014

CONSULTANT FOR REGIONE SICILIA – DEPARTMENT OF PUBLIC ADMINISTRATION AND LOCAL AUTONOMIES - TO SUPPORT THE IMPLEMENTATION OF ICT PLANS THROUGH ORGANIZATIONAL ACTIONS OF PROCESS, INFORMATION TECHNOLOGY AND INFRASTRUCTURE; SUPPORT TO INNOVATION PLANS IN THE CONTEXT OF COMMUNITY PROGRAM HORIZON 2020, SMART CITIES AND COMMUNITIES; RELATIONS WITH AGID.

2012 – 2013

DESIGN OF THE NEW INTEGRATED TELEMATIC SYSTEM FOR EMERGENCY SYSTEM 118 (STI – SUES 118) OF THE REGIONE SICILIA.

2010 – 2014

CONSULTANT FOR SICILIA E SERVIZI SPA (REGIONE SICILIA INHOUSE COMPANY) FOR:

- CONSULTING ACTIVITIES AIMED AT MANAGEMENT CONTROL, PROJECT MONITORING AND EVALUATION, FEASIBILITY STUDIES, MARKET ANALYSIS, BUSINESS PLAN, DESIGN, COORDINATION FOR ACCESS TO FUNDING UNDER COMMUNITY PROGRAMMES (FESR, FSE, INTERREG), NATIONAL (PON) AND REGIONAL (POR) DEVELOPMENT PROGRAMMES, PROGETTI INTEGRATI TERRITORIALI (PIT).
- ASSESSMENT, DESIGN AND CUSTOMIZATION OF IT PROCEDURES OF PUBLIC ADMINISTRATIONS AND RELATED REENGINEERING OF INFORMATION FLOWS AND RELATED INTERNAL PROCESSES.
- CONSULTING ACTIVITIES FOR THE RESEARCH, DESIGN AND IMPLEMENTATION OF APPLICATION PLATFORMS AND INTEGRATED SERVICES SYSTEMS CONVERGING ON IP (VOIP TECHNOLOGIES, MULTIMEDIA SYSTEMS, PHYSICAL AND LOGICAL SECURITY, CONTROL SYSTEMS, SURVEILLANCE, INTRUSION, AUTOMATION NETWORKS LAN, WAN, WIRED & WIRELESS, DATACENTER).
- CONSULTING ACTIVITIES FOR THE RESEARCH, DESIGN AND IMPLEMENTATION OF APPLICATION PLATFORMS RELATED TO KNOWLEDGE DISCOVERY AND DATA MINING (KDD), DECISION SUPPORT SYSTEM (DSS), OPEN GOVERNMENT/OPEN DATA SYSTEMS.
- CONSULTING ACTIVITIES FOR THE RESEARCH, DESIGN AND IMPLEMENTATION OF PLATFORMS OR SYSTEMS FOR TRACKING, TRACING AND MONITORING IN APPLICATIONS TYPICAL OF INTELLIGENT TRANSPORT SYSTEM (ITS) AND SCENARIOS RELATED TO CIVIL PROTECTION AND EMERGENCY HEALTH OPERATIONS CENTERS (118/NUE 112).

2004 – 2009

DESIGN AND COORDINATION OF PARTNERS FOR THE REALIZATION OF TELECOMMUNICATION INFRASTRUCTURES, INFORMATION SYSTEMS, PHYSICAL, LOGICAL AND BIOMETRIC SECURITY SYSTEMS FOR PROACTIVE TERRITORIAL SURVEILLANCE AIMED AT THE ANTI-TERRORISM CONTROL OF THE TERRITORY AND THE PROTECTION OF CITIZENS.

2004 – 2008

CEO OF ACACIA CONSULTING S.R.L. STRATEGIC CONSULTANCY FOR BUSINESS RESEARCH

2002 – 2013

CEO OF PROGETTO GENESI S.R.L., RESEARCH AND DEVELOPMENT COMPANY FOR SOFTWARE/HARDWARE TECHNOLOGIES AND PATENTS. DESIGN, DEVELOPMENT AND REGISTRATION OF A PRODUCT AND BRAND FOR THE PROVISION OF INTEGRATED SERVICES CONVERGING ON IP SUCH AS VOICE, VIDEO COMMUNICATION, CONFERENCE ANY TO ANY, IPTV, VIDEO ON DEMAND, COLLABORATION, DESKTOP SHARING, SURVEILLANCE, DOMOTICS.

1999 – 2005

GIUSEPPE CELESTE

VICE GENERAL MANAGER OF QUASAR TELECOMMUNICATIONS. THIS ROLE COVERS ALL COMPANY SECTORS, FROM TECHNICAL TO COMMERCIAL AND MANAGEMENT, ALLOWING A COMPLETE OVERVIEW OF THE PROBLEMS RELATED TO THE EVOLUTION OF INDIVIDUAL PROJECTS.

CONSULTANCY FOR RESEARCH, DEVELOPMENT AND DESIGN OF LAN, WAN, WIRED AND WIRELESS NETWORKS, PHYSICAL AND LOGICAL SECURITY, CONTROL SYSTEMS, SURVEILLANCE, INTRUSION DETECTION, AUTOMATION AND RELATED CONFIGURATION OF EQUIPMENT FOR PRIVATE ENTITIES (ALCATEL, SIEMENS, ASCOM, EDS, TIN, TIM, TELECOM, NEXTIRA ONE, MARCONI SELENIA, FINMECCANICA) AND LOCAL AND CENTRAL PUBLIC ADMINISTRATIONS (MINISTER, PROVINCES, MUNICIPALITIES, REGIONS, UNIVERSITIES, RESEARCH AGENCIES).

1996 – 1998

EMPLOYEE OF GARR, UNIVERSITY OF MESSINA.

SCIENTIFIC ADVISING

2022 – 2023

SCIENTIFIC COORDINATOR – MODELLING AND DEVELOPMENT OF NEW TERRITORIAL PROXIMITY HEALTHCARE SERVICES FOR ITALIAN DoD.

2020 – 2023

SCIENTIFIC COORDINATOR – SMARTSENSE PROJECT - A COMPLEX URBAN SYSTEM IS A SYMBIOTIC MODEL BASED ON THE INTERACTION BETWEEN URBAN CLUSTERS AND INDUSTRIAL CLUSTERS. THE GENERAL OBJECTIVE OF THE SMART SENSE PROJECT CONSISTS IN CONTRIBUTING TO THE REDUCTION OF RISKS REGARDING CRITICAL INFRASTRUCTURES AND CYBERNETIC-PHYSICAL ECOSYSTEMS, IN GENERAL, THROUGH TOOLS AND METHODOLOGIES TO SUPPORT A SUPERVISED CONTEXT

2017 – 2021

SCIENTIFIC COORDINATOR – TALISMAN PROJECT - MODELLING AND DEVELOPMENT OF A NEW CONCEPT OF FRAGILITY INDEX BASED ON THE MULTIDIMENSIONAL INTEGRATION OF PARAMETERS THAT DESCRIBE VARIOUS DIMENSIONS OF THE SUBJECT (SOCIAL, PSYCHOLOGICAL, BIOLOGICAL AND FUNCTIONAL) AND THAT, BY INTERACTING, DETERMINE THE OVERALL CHARACTERISTICS. THE TALISMAN PROJECT INTENDS TO SET IN THE WELFARE MODEL BY SPECIFYING, CONSOLIDATING AND FORMALIZING THE CONCEPTS OF TAKING CHARGE, MULTIDISCIPLINARY ASSESSMENT, INTEGRATED SOCIAL AND HEALTH PLANS, RE-ASSESSMENT, BY PROVIDING APPROPRIATE TECHNOLOGICAL PLATFORMS AND SUPPORT TO PROCESSES.

2017 – 2021

SCIENTIFIC COORDINATOR – DHARMA PROJECT - MODELING OF AN APPLICATION FRAMEWORK REPRESENTED BY TECHNOLOGIES, METHODOLOGIES AND MODELS, WITH THE FUNCTIONAL OBJECTIVE OF MAKING SYNERGISTIC AND INTEROPERABLE DIFFERENT TECHNOLOGICAL FRAMEWORKS, CREATING AN HIGH FLEXIBLE AND SCALABLE ENABLING PLATFORM FOR MULTILEVEL INTEGRATION OF MULTI AND TRANS-DISCIPLINARY COMPONENTS AND SERVICES. FOR EXAMPLE IN THE FOLLOWING DOMAINS:

- SECURITY AND RESILIENCE OF INFRASTRUCTURE,
- SAFETY AND SECURITY OF PLACES,
- SAFETY AND SECURITY OF PEOPLE,
- PERIMETER AND BORDER CONTROL,
- ENERGY AND COMMODITIES CONSUMPTION VARIATION,
- TRAFFIC ANALYSIS,
- BEHAVIOURAL CONTROL, SOCIAL MEDIA MONITORING, SENTIMENT ANALYSIS.

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2017 – 2020

SCIENTIFIC COORDINATOR – Sys2COG PROJECT - SYMBIOTIC COGNITIVE SYSTEMS - MODELING AND DEVELOPMENT OF INTELLIGENT SYSTEMS THAT, THROUGH THE DISCIPLINES OF THE AREAS OF LIFE SCIENCES AREA, CREATE AN ECOSYSTEM OF INTELLIGENT DEVICE/AGENTS, CALLED ICoGS, DESIGNED TO FOLLOW AND INTERACT WITH HUMANS AND OTHER DEVICES. THESE ICoGS COMMUNICATE INDIVIDUALLY OR COLLECTIVELY THROUGH COGNITIVE COMPUTING PLATFORMS BASED ON INTELLIGENT ARTIFICIAL NETWORKS, COMBINING TRADITIONAL SIGNAL AND DATA INTERFACES AND ADAPTIVE MULTIMODAL INTERFACES BASED ON VISION, SPEECH, GESTURE, AND ADVANCED VISUALIZATION AND NAVIGATION TECHNIQUES. USING “INSPIRED BY NATURE” METHODS IN SOPHISTICATED COMPUTATIONAL MODELS AND IOT AND CYBER PHYSICAL SYSTEM PARADIGMS.

2017- 2021

SCIENTIFIC COORDINATOR – HUMAN LIFE CYCLE MANAGEMENT PROJECT - MODELING AND DEVELOPMENT OF TOOLS AND METHODS FOR A CORRECT “PLANNING AND MANAGEMENT OF HEALTH COMPONENTS”. THE PROJECT INVOLVES IN A MULTIDISCIPLINARY WAY DIFFERENT ISSUES SUCH AS IOT IN WEARABLE AND HOME ENVIRONMENT, TELEMONITORING OF SIGNALS AND DEVICES, CRITICAL INFRASTRUCTURE TO SUPPORT E-HEALTH, APPLICATION PLATFORMS AND INFORMATION SECURITY SYSTEMS.

2013 – 2015

CONSULTANT FOR LEADING COMPANIES AND RESEARCH INSTITUTIONS FOR THE RESEARCH PROJECT SMART CITIES OF MIUR “SMART HEALTH2.0” ON DIGITAL HEALTH, ON ADVANCED TECHNIQUES OF DATA MINING, STATISTICAL ANALYSIS OF BIOMEDICAL DATA, DESIGN OF ARCHITECTURES AND COMPUTER APPLICATIONS IN MASSIVE PARALLEL PROCESSING AND CLOUD COMPUTING ENVIRONMENTS, DECISION SUPPORT SYSTEMS (DSS) AND CONSULTATION FOR THE PROVISION OF HETEROGENEOUS SERVICES IN HEALTH CARE, TOOLS FOR THE MANAGEMENT OF TELE-COOPERATION SERVICES, TELE-MEDICINE, TELE-RESCUE, AMBIENT ASSISTED LIVING (AAL).

IN COMPLIANCE WITH THE ART.13 GDPR 679/16 AND THE ART. 13 ITALIAN LEGISLATIVE DECREE NO. 196/2003, I HEREBY AUTHORIZE YOU TO USE AND PROCESS MY PERSONAL DETAILS CONTAINED IN THIS DOCUMENT.

