

STEFANO A.E. COPELLO Curriculum Vitae



SECTION 1

Personal Data				
Surname: Copello	Name: Stefano Alessandro Enrico			
e-mail: Tel.:				
Degree:	Civil Engineer (Università degli Studi di Genova,			
Degree.	1990, Thesis "Metodi per il controllo dinamico delle			
	vibrazioni" Rel. Prof. D. Stura, Prof. G. Solari)			
Languages:	English CEF Level C1.1			
Computer skills:	MS Office Package, Fortran, FEM programs (Ansys,			
	Marc) New Strudl Offshore NSO (Suite of programs			
Training and Courses	for analysis and design of offshore structures)			
Training and Courses:	 RINA multidisciplinar internal course for new workers, February-April 1992 			
	CISM Centre Internationalle de Sciences			
	Mechanique, Course on EUROCODES FOR THE			
	STRUCTURAL DESIGN, May 1992, Udine			
	• LONDON - SUT, 24-25/11/1993 Seminar on API			
	RPZA-LRFD: ITS PRESENT AND FUTURE			
	ROLE IN OFFSHORE SAFETY concerning new			
	semiprobabilistic codes for the design of steel			
	fixed offshore platforms • MILANO - FAST, 30/05/94, Seminar on Risk			
	Analysis for offshore structures			
	ASSISI - IFIP, 4/9/94 - 7/9/94, Working Group			
	Symposium on Structural Reliability			
	Istituto Italiano di Saldatura - Course fe			
	Specialization in Welding, GENOVA - IIS, fro			
	1/3/95 to 31/5/95			
	• CROYDON - U.K., 1/11/95 - 3/11/95,			
	 UNCERTAINTIES IN THE DESIGN PROCESS IBM course on UNIX system, Genova, 11/12/95- 			
	13/12/95			
	• LONDON - 30/9/96 - 1/10/96, IBC Course of			
	ADVANCES IN RISER TECHNOLOGIES			
	• ABERDEEN - IBC Workshop, 2/6/98 - 4/6/98,			
	WORLDWIDE DEEPWATER TECHNOLOGIES			
	RAVENNA - Chambre of Commerce, 26/3/98 - 27/3/98, Decommissioning of Offshore Structures			
	27/3/98, Decommissioning of Offshore Structures GENOVA - Course on NSO/ISYMOST tools of			
	GENOVA - Course on NSO/ISYMOST tools of the OCEANOS software system for the analysis			
	of offshore structures, November 1998			
	GENOVA - METIS Course on Economics &			
	Project Management, March - May 2001			
	GENOVA - Course on NSO/HYDROSTAR			
	modules of the OCEANOS system, May 2001			
	GENOVA - RINA Industry Course on 'Attività di			
	Controllo Tecnico nel Quadro Normativo dei			
	LL.PP, Novembre 2001RECCO – BSI Course on ISO 9001:2000			
	("Management Briefing"), 25-26 March 2002			
	RECCO – BSI Course on ISO 9001:2000			
	- NEGGO DOI GOUISE OII 130 3001.2000			



	/IIO -I'I O -1 D			
	("Quality System Documentation Course"), 27-28 Marzo 2002 MILANO – Course CEGOS on Team			
	Management Course CEGGS on reality			
	PARIS – April 2008 – ASME Course – How to			
	choose floating production systems from a			
	hydrodynamic point of view			
	GENOVA – 2011 – Course Gustav Kaiser on "Team management"			
	"Team management"			
	2016 - Confindustria Genova – Corso d formazione in materia di giarrazza sul lavora poi			
	formazione in materia di sicurezza sul lavoro per			
	Dirigenti Lgs. 81/08			
	DITEN – Isituto Italiano della Saldatura Genova – 15			
	15 marzo 2017 – Frattura e fatica: metodi			
	sperimentali e di analisi delle strutture saldate			
	Leadership Hub, Management Education by SDA			
	Bocconi School of management, edition 2023,			
	21-22 June 2023			
Further information:	Member of ISO TC67/SC7 Natural Gas &			
	Petroleum Industrial Processes - Offshore			
	Structures from 1995 to 1999			
	Member of Board of Directors of AIOM			
	(Associazione Italiana di Ingegneria Offshore e			
	Marina) since 1997			
	Member of SSC - Ship Structures Committee iv.1			
	(Design Principles and Criteria) of International			
	Ship and Offshore Structures Congress from			
	1994 to 1998			
	Member of OT UNI/CT 113 Sistema Trasporto			
	Gas Naturale – GL 01 "Infrastrutture" – Liaison			
	with CEN/TC 234/WG3 Gas Transportation 2022			
Other work	experiences			
Professional experiences: (only those not cited in the se				
1991	Structural Engineer at FIAT R&D (Centro Ricerche			
	Fiat, Orbassano (TO)			
University	enrolment			
2005-2014	Teacher at Politecnico of Torino on yearly basis for a			
	Master on Reliability, Availability and Maintenance of			
	Structural Systems			
2016-2018	Contracted Professor of Probabilistic Methods for			
	Marine Structures for Naval Architects at DITEN -			
	Dipartimento di Ingegneria Navale, Elettrica,			
	Elettronica e delle Telecomunicazioni, University of			
	Genoa			
Current	position			
Place of work:	RINA Services			
Date of employment:	2.5.1991			
Role:				
NUIC.	Head of Energy Certification			



Further information

Personal skills

- Design and assessment of marine structures and fixed/floating offshore installations and transportation systems
- Structural reliability and probabilistic methods
- Fatigue, fracture mechanics and life extension assessment
- Structural dynamics, seismic and wind engineering application

Papers presented at National and International Conferences

- Copello S/Dogliani M "Verifica Strutturale di Piattaforme Fisse Offshore: Metodo alle Tensioni Ammissibili e Metodo Semiprobabilistico" (XXI Convegno Nazionale AIAS - Associazione Italiana per l'Analisi delle Sollecitazioni, Settembre 1992, Rapallo)
- Cazzulo R/Copello S/Ziliotto F "LRFD Design for Jacket Platforms in the Mediterranean Sea" (Offshore Mediterranean Conference, Marzo 1993, Ravenna)
- Cazzulo R/Copello S/Dogliani M "Non-dimensional Reference Parameters for LRFD Design" (Integrity of Offshore Structures, Giugno 1993, Glasgow)
- Copello S/Pittaluga A/Ziliotto F "Extension of API RP2A LRFD to Mediterranean Sea Design" Internationally Reliability Based Standards OMAE 1994 Workshop, Houston, TX
- Copello S/Facciolli R/Ferretti R/Piva R "System Fatigue Reliability Updating for Offshore Structures" (Offshore Mechanics and Arctic Engineering, OMAE 1995, Glasgow)
- Di Cocco N/Copello S/Piva R "Improved Processes for Strength Assessment in the Requalification of Offshore Structures" (Advances in Safety and Reliability, ESREL 1997, Lisboa)
- Buongiorno P/Copello S "The realization of a RLC Support Structure for Offshore Facilities in Shallow Waters" (Offshore Mediterranean Conference, Marzo 2001, Ravenna)
- Copello S/Castelli P "Life Extension of a Fixed Offshore Platform Based on Monitoring Results" (Offshore Mediterranean Conference, Marzo 2013, Ravenna)
- Copello S/Gaugenrieder S/Petrillo F "A System Approach for Evaluating Residual Life of Fixed Offshore Platform" (Offshore Mediterranean Conference, Marzo 2015, Ravenna)
- Copello S "RINA approach to the offshore: enhancing both safety and profitability", 11th China Offshore Convention, June 11-12, 2015, Shenzhen, China
- Copello S "Vita di servizio di piattaforme offshore", Studi di aggiornamento AIOM sull'Ingegneria Offshore e Marina. Università degli Studi di Genova, 16-17 October 2015
- Copello S "Systematic evaluation of platform life", Offshore Engineer Vol. 40 No. 9, September 2009
- Nicolosi R/ Copello S/Bombardi A "Effect of Modelling Assumptions on Deepwater Pipeline Installation from a Certification Authority's Perspective" (Mediterranean Offshore Conference, MOC, April 2016, Alexandria, Egypt)
- Gaugenrieder S/Pellegrino C/Copello S/ "Condition assessment for offshore platforms reuse" (Offshore Mediterranean Conference, 29-31 March 2017, Ravenna)
- Copello S/Magliano M/Manera A "Minimum requirements for decision making and maintenance of existing fixed offshore structures" (Offshore Mediterranean Conference, 29-31 March 2017, Ravenna)
- Copello S/Rizzo C M "Assessment of residual life of existing fixed offshore structures" (MARSTRUCT, Analysis and Design of marine structures, 6th International Conference on marine structures, Lisboa, 8-10 May 2017
- Copello S,. "Ensuring continuing safety and asset integrity of ageing assets. The industry approach to life extension" JRC Workshop for Offshore Competent Authorities, JRC Ispra, 26th-28th November 2018
- Basso A/Copello S "Machine Learning application in Jacket Life Extension" (Offshore Mediterranean Conference, 27-29 March 2019, Ravenna)
- Basso A/Copello S "Monitoring & Machine Learning Application for Offshore Platforms Life Extension" (Studi di aggiornamento AION, 15-16 Novembre 2019, Università degli Studi di Firenze)

Further speeches and experience as Teacher or other Academic role

- Criteri di Verifica di Strutture Offshore Seminario tenuto con Prof. Boote presso Università di Genova Dipartimento di Ingeneria Navale e Meccanica – Marzo 2003
- Criteri di Verifica di Strutture Offshore Seminario tenuto con Prof. Boote presso IX Sez. Consiglio Superiore dei Lavori Pubblici Roma – Maggio 2003



- Università degli Studi di Genova, Anno Accademico 2012/13 Correlatore Tesi di Laurea Specialistica in Ingegneria Navale di A.Rossi (Rel. Prof. E. Rizzuto) "Estensione della vita operativa della piattaforma Vega A e programmazione del piano ispettivo"
- Corso AIOM, Associazione di Ingegneria Offshore e Marina, Genova, 20.12.2014, Estensione della vita di servizio di strutture offshore
- Università degli Studi di Genova, MIPET, Master in Industrial Plant Engineering and Technologies, 5th Ed. 2014 Advisor on Thesis "Seismic Design Procedures for the assessment of New and Existing Fixed Offshore Platforms" by Dr Eng. A. Tarantini
- Università degli Studi di Genova, MIPET, Master in Industrial Plant Engineering and Technologies, 6th Ed. 2015 Advisor on Thesis "Offshore Wind Farms Certification" by Dr J. Girello
- Università degli Studi di Genova, DINAV, Relatore Tesi di Laurea in Ingeneria Navale, A.A: 2015/2016 A.
 Manera "Minimum requirements and methodology for system assessment of existing fixed offshore structurers"
- Università degli Studi di Genova, DINAV ,Relatore Tesi di Laurea in Ingeneria Navale, A.A: 2015/2016
 S.Bregante "System approach for fatigue reliability of a jacket structure"
- Università degli Studi di Genova, DINAV, Relatore Tesi di Laurea in Ingeneria Navale, A.A: 2016/2017 M.
 Bigi "Concept selection of floating structures for offshore energy production"
- Università degli Studi di Genova, DINAV, Relatore Tesi di Laurea in Ingeneria Navale, A.A: 2016/2017 R.
 Sercia "Operazioni marine per la realizzazione di un parco eolico offshore Studio del varo di un cavo elettrico sottomarino"
- Università degli Studi di Firenze, Scuola di Ingegneria, Seminario su Monitoraggio Ambientale e Strutturale, 30 anni di attività della piattaforma Vega, Firenze, 18 Marzo 2018
- Università degli Studi di Genova, DICCA, Seminario su Ingegneria Offshore per il Corso di Laurea Triennale 'Introduzione all'ingegneria delle costruzioni e del territorio', a.a. 2018/19, Genova, 2 Maggio 2019
- Università degli Studi di Genova, Lettura 'Introduzione all'Ingegneria Offshore Strutture tipiche per la produzione di idrocarburi ed energia eolica' per IANUA – ISSUGE LIVELLO MAGISTRALE Indirizzo in Scienze e Tecnologia per la Sostenibilità – STS Triennale 'Introduzione all'ingegneria delle costruzioni e del territorio', Genova, Edizioni 2020, 2021, 2022
- University of Genoa, PhD Course teacher 'Reliability methods for structural assessment Applications for offshore structurers' offered for the PhD program in Civil, Chemical and Environmental Engineering -Curriculum in Wind Science and Engineering, A.Y. 2019/2020 (XXXV cycle), July 2020
- University of Rome Roma Tre Ingegneria delle Tecnologie per il Mare Seminario "Tipologie e criteri di progetto di installazioni offshore per la produzione di ingegneria eolica", Sito di Ostia,) Dicembre 2021
- Università di Genova, Lezione 'Offshore structural solutions' all'interno della II Edizione del Master 'Energia & Sostenibilità', 19 Aprile 2022
- Università degli Studi di Genova, DICCA, Seminario su Ingegneria Offshore per il Corso di Laurea Triennale 'Introduzione all'ingegneria delle costruzioni e del territorio', a.a. 2019/20, 2020/21, 2021/22, 2022/23 e 2023/24

17/7/2024

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SECTION 2 Professional experience



Project title	Period (from - to)	Description	Role played in the project	Effort (in days)
Reliability assessment and requalification of Amelia A jacket	1991	Development of LRFD tools and structural verification of 8-legs jacket	R&D and Structural Engineer	120
LRFD design in the Offshore Mediterranean	1991-1992	Development of methods and programs for LRFD design of offshore platforms in the Mediterranean Sea	R&D and Structural Engineer	150
AMELIA B Offshore Platform	1992	Comparison assessment between API WSD and API LRFD	Offshore Engineer	20
API LRFD calibration in the Mediterranean Sea	1992-1993	Reliability Based Calibration of partial safety factors for LRFD design of offshore jackets according to API standard	R&D and Structural Engineer	45
ASHRAFI Field	1992	Design appraisal and certification of 5 (WHP2, WHP 1, MPA, MWP4, MWP3) platforms Red Sea	Offshore Engineer	10
BARBARA H Offshore Platform	1992	Design appraisal and certification of jacket and deck	Offshore Engineer	15
Derivation of safety factors relevant to the strength of tubular joints of offshore structures	1993	Joint Industry Projects (supported by ENI) with AME – Advanced Mechanics Engineers –UK	R&D and Structural Engineer	15
Design Guidelines for Submerged Floating Tunnels	1993-1994	Development of guidelines and reliability targets for the feasibility design of Submerged floating tunnels for the Messina Strait Crossing carried out by Consorzio EniSud	R&D and Structural Engineer	120
RISC - "Reliability Inspection Scheduling for Fixed Offshore Platforms"	1993-1995	CEC-THERMIE research EC Program with TNO Den Haag, University College of London & others EC partners	R&D and Structural Engineer	75
AIDA T Offshore Platform	1994	Design appraisal and certification of jacket and deck	Offshore Engineer	15
RASOS - "Reliability Analysis System for Offshore Structures	1995	BRITE P1270 research program in partnership with WS Atkins (UK) for reliability analysis of offshore platf.	R&D and Structural Engineer	15
EVOIO (Estensione vita operativa installazioni offshore)	1995-1998	Jointly industry project ENI (Div. Agip)—Tecnomare-RINA for the development of engineering tools for the reassessment of fixed offshore platform	R&D and Structural Engineer	100



Project title	Period (from - to)	Description	Role played in the project	Effort (in days)
WAKAR Offshore Platform	1996	Design appraisal and certification of jacket and deck	Offshore Engineer	15
BONACCIA Offshore Platform	1996	Design appraisal and certification of jacket and deck	Offshore Engineer	20
SUPER DRYDOCK Port of Genoa	1996	Longitudinal strength reassessment of the 100,000 DWT prestressed concrete and steel structures of the RC drydock 350m long for sea transportation from Genoa to Tuzla (Turkey).	Structural and Marine Engineer	30
BONACCIA Offshore Platform	1997	Marine warranty surveyor for the load out, seafastening (in Rosetti yard) and marine installation of jacket (offshore site)	Marine Warranty Surveyor	20
NEW SEMMAN 1 Offshore Platform	1998	Design appraisal and certification of jacket and deck	Offshore Engineer	10
POOL V Offshore Platform	1998	Design appraisal and certification of jacket and deck	Offshore Engineer	10
SEMMAN 1 Offshore Platform	1998	Design appraisal and certification of jacket and deck	Offshore Engineer	10
SEGAN 1 Offshore Platform	1998	Design appraisal and certification of jacket and deck	Offshore Engineer	10
PFSE 1 Offshore Platform	1998	Design appraisal and certification of jacket and deck	Offshore Engineer	10
ABB SOIMI MPF SANTA BARBARA	1998	Certification of the design and fabrication survey of the RC caisson structure (266525x53,05x6m) for SHELL (Engineering contractor Grandi Lavori Fincosit) aimed to support production facilities in Santa Barbara Field, Nigeria	Structural Engineer Fabrication Surveyor for concrete structures	60
DARFEEL Offshore Platform	1998	Design appraisal of jacket and deck	Offshore Engineer	15
TLP Aquila	1998	Engineering Criticality Assessment for girth welds of TLP Aquila	Structural and Welding Engineer	30
Rosetta Project	1998	Certification of the sealine	Offshore Engineer	20
Edison LNG Terminal	1998	Feasibility assessment Mooring assessment Study for removal	Structural and offshore Engineer	45



Project title	Period (from - to)	Description	Role played in the project	Effort (in days)
BALTIM EAST Offshore Platform	1999	Design appraisal and certification of jacket and deck	Offshore Engineer	15
Nembe Creek I, II, III, IV LIGHTWEIGHT CONCRETE BARGES	1999	Certification of the design of 4 (16 x 24 x 5m), lightweight RC structures for supporting production units in the Nembe Creek, Nigeria, for SHELL (Engineering contractor PGH Impregilo)	Structural Engineering and Project Manager	40
HA'PY Offshore Platform	1999	Design Certification of jacket and deck	Offshore Engineer	25
ITALCRANE steel frame	2000	Design certification of steel structures according to CNR-UNI 10011 e 10030	Structural Engineer	5
Floating bridges design	2000	Design certification of various modular structures according to BS for maritime structures	Marine Engineer	20
CERVIA K Offshore Platform	2000	Design Certification of jacket and deck	Offshore Engineer	20
TEMSAH Offshore Platform	2000	Design Certification of jacket and deck	Offshore Engineer	25
BARBARA T2 Offshore Platform	2000	Design Certification of jacket and deck	Offshore Engineer	30
Tecnopali Pile Tower	2000-2001	Direct analysis through FEM model and verification of structural components of 2 pile towers made by TECNOPALI SPA Parma	Structural Engineer	20
NAOMI PANDORA Offshore Platform	2001	Design Certification of jacket and deck	Offshore Engineer	15
PFSW2 Offshore Platform	2001	Design Certification of jacket and deck	Offshore Engineer	10
EMILIO Offshore Platform	2001	Design Certification of jacket and deck	Offshore Engineer	20
MWAFI Offshore Platform	2001	Design Certification of jacket and deck	Offshore Engineer	25
FOUKANDA Offshore Platform	2001	Design Certification of jacket and deck	Offshore Engineer	30
GREENSTREAM	2001-2002	Certification of the LGTS pipeline	Offshore Engineer	60
UNI EN 45004 RINA INDUSTRY ACCREDITATION	2001-2002	Accreditation with Sincert for Third Party Project Validation	PM and Technical Director	45
KASHAGAN FIELD EER Craft Study	2002	Risk analysis for the definition of the optimal Craft for the evacuation of the offshore installation in Kashagan East Field in the Caspian Sea	Technical Coordinator	90



Project title	Period (from - to)	Description	Role played in the project	Effort (in days)
CALM Buoy Offshore Porto	2002-2004	Technical consultancy for the International Arbitration ICC N 11516/KGA between SBM Monaco and Petrogal relevant to the fitness for purpose of the CALM Buoy Terminal offshore Porto	Marine engineer and Technical Consultant	80
FPSO KUITO	2004	Technical consultancy for ENI Div. E&P for Structural Integrity assessment and Fatigue Analysis of the FPSO installed in the Kuito field (Offshore Angola)	Marine engineer	25
FPSO FALCON	2004	Technical consultancy for ENI Div. E&P for Structural Integrity assessment and Fatigue Analysis of the FPSO Falcon (Offshore Angola)	Marine engineer	15
ADRIATIC LNG TERMINAL	2004-2007	Verification of the design of the RC and steel structures of the LNG Terminal (offshore Porto Viro, Rovigo), in compliance with the applicable Italian rules	Structural Engineer and Project Manager	600
CALM Buoy Santa Panagia	2007-2009	Certification of the structural design of the CALM (engineering and construction by Fincantieri)	Marine Engineer and Project Manager	70
DJENO PLANT Concrete Foundations	2008	Technical consultancy, mix design review and yard survey for the design of the RC foundations of the new Djeno (Point-Noire) plant for ENI Congo	Civil Engineer and Yard Survey	30
Ombrina Mare 2	2008	Design assessment of the offshore platform for Medoilgas SpA	Project Manager and Engineer	15
Agbara Drilling	2008	Design and fatigue reliability assessment for extension life	Project Manager and Engineer	30
Aquila Project	2008-2009	Assessment of the existing mooring lines for reuse in the new FPSO for Aquila field (Offshore Brindisi)	Offshore Engineer	35
AZALEA B Drilling and AZALEA B Production	2009	Design and fatigue reliability assessment for extension life of the platform's jacket	Offshore Engineer and Project Manager	20
BALTIM EAST	2009	Design and fatigue reliability assessment for extension life of the jacket	Offshore Engineer and PM	15



Project title	Period (from - to)	Description	Role played in the project	Effort (in days)
GARIBALDI A, B and T	2009-2010	Design and fatigue reliability assessment for extension life of the jackets	Offshore Engineer and PM	20
PCC, PCW-C and PCW-T	2009-2010	Design and fatigue reliability assessment for extension life of the 3 platforms' jacket	Offshore Engineer and Project Manager	25
PREZIOSO	2010	Design and fatigue reliability assessment for extension life of the jacket	Offshore Engineer and PMr	15
ZATCHI FIELD	2010	Design and fatigue reliability assessment for extension life of the jackets of ZAP, ZAF1, ZAF2, ZAF3 and ZAF4 platforms	Offshore Engineer and Project Manager	35
AGOSTINO A and B	2010	Design and fatigue reliability assessment for extension life of the jackets	Offshore Engineer and PM	15
CLARA W	2010	Design and fatigue reliability assessment for extension life of the jacket	Offshore Engineer and PM	15
PIM – Pipeline Integrity Management Project	2008-2010	Methodology assessment and following certification of various ENI sealines in the Italian waters	Offshore Engineer and Project Manager	120
FSO Vega	2009	Certification of the design of the SPM of the FSO Vega for Edison	Offshore Engineer	125
Messina Strait Bridge	2010-2011	Validation of the design of the crossing bridge carried out by Eurolink for Stretto di Messina SpA	Technical Coordinator	60
Offshore Livorno Terminal FSRU	2006-12	Design verification and owner engineering for the FSRU project for OLT	Marine engineer	130
LAM 13 & LAM 28 Platforms LAM 22 Platform	2011 2012	Structural integrity assessment of existing offshore platforms in the Caspian Sea for DOTL	Offshore engineer	80
Vega A Field	2011-15	Reassessment of fixed structure, SPM and sealines for Edison	Technical coordinator	340
CALM Porto Petroli Genoa	2012	Preliminary Design of a CALM buoy for offshore Port of Genoa	Offshore engineer	30
LOANGO FIELD	2010-15	Reassessment of 7 offshore platforms for ENI	Offshore engineer	90
New RINA Rules for Fixed Offshore Platforms	2015-16	Development of new RINA Rules for fixed offshore platforms classification	Team Leader and Offshore Expert	200
New RINA Guidelines for Offshore Wind Farms	2017-21	Development of RINA guidelines for fixed and floating offshore wind farms	Team Leader and Offshore Expert	240
Independent Verification for Risk assessment	2016-23	Verification of SECE for applications of EU Offshore Directive for safety cases	Team Leader and Offshore Expert	1080