



CURRICULUM VITAE

First name / Surname	Stefano PINCA
Date of birth	27/02/1969
Position at IIS	Research & Development, Academy – Dept. Manager
Education	Master Degree in Mechanical Engineering, University of Genoa, 1995
Languages	Mother tongue: Italian <i>Other languages</i> English written: good English spoken: fluent
Professional qualifications	International Welding Engineer Level 2 according to UNI EN ISO 9712 (EN 473) in the following methods: <ul style="list-style-type: none">• Magnetic particle examination MT• Dye Penetrant examination PT• Radiographic examination RT
Training	Welding Specialization Training course for Engineers – IIS, Genoa – 1995 Radiographic Examination course – IIS, Genoa – 1995 Magnetic Particle Examination course – IIS, Genoa – 1995 Dye Penetrant Examination course – IIS, Genoa – 1995 Plant inspector – IIS, Genoa – 1998 Probability e Statistics – University of Genoa – 1999 Introduction to ANSYS – ITALCAE, Florence – 2000 Risk Based Inspection / API RBI software – M&M / API, Houston, TX – 2001 Application of EU Directive 97/23/CE PED – IIS, Genoa – 2002 Shenker English Course Lev.50 - IIS, Genoa – 2003 Fire Fighting Operator – IIS, Genoa - 2009 Shenker Business Access - English Course - IIS, Genoa – 2012 Organization Management by Processes – UNI, Genoa – 2013 The Business Plan – SDA Bocconi, Milan – 2017 Introduction to Additive Manufacturing – Assessment Based Course – ASME - 2107

- Work experience**
- from 2017 onward*
Research & Development, Academy – Dept. Manager
 - from 2015 to 2017*
Business Development Manager – Middle East for IIS Group
 - from 2014 to 2015*
Engineering Dept. Director and Product Manager at IIS SERVICE
 - from 2013 to 2014*
Product Manager at IIS SERVICE
 - from 2012 to 2013*
Project Planning / Project Manager at IIS SERVICE
 - from 2011 to 2012*
Engineering Dept. Director at IIS SERVICE
 - from 2002 to 2011*
Head of the Reliability Area in the Engineering Dept. at IIS
 - from 1997 to 2002*
Junior Engineer at Engineering Dept. at IIS
 - from 1995 to 1997*
Junior Engineer at Training Dept. at IIS

Main working references

- Project Management for Additive Manufacturing Project
- Feasibility study and drafting of Business Plan for the Additive Manufacturing Project – 2017
- Feasibility study and drafting of Business Plan for Welding Training Center in UAE - 2016
- Project management for inspection activities MTA 2012 – Raffineria di Milazzo
- Validation of inspection techniques, acceptability criteria and inspection planning based on risk analysis of ammonia refrigerated tank – YARA - 2012
- Project Management for Engineering Services (RBI, Plant Inspection, FFS evaluation, Creep Damage Evaluation) since 2011
- Plant Inspection Planning (Risk Based Inspection API 580/581) – since 1998
- Plant inspection and fire damage assessment – INDENI Refinery in Zambia (1999)
- Experimental Study for pipelines repairs by welded sleeves – PRAOIL (1998)
- Residual life assessment for equipment in creep service according to the Italian regulation (1997-2001)
- Welding details revision for aluminum space frame – Ferrari Auto (1997)
- Optimization of welding processes wheel rims for automotive – FERGAT (1996)
- Research Project on “Monitoring of low-speed shaft of elevators through the Acoustic Emissions Test” – ISPESL DTS (1996)

- Study on the assembly and welding procedure for rudder support structure – LAME (1996)

Personal skills

- Good knowledge on additive Manufacturing Technology
- Good knowledge of the Risk Based Inspection Technology (API RP 580 / API RP 581)
- Good knowledge of the main national and international Codes and Standards on NDE methods (ASME Sect. V – UNI EN 473 – ISO 9712)
- Good knowledge of the main national and international Codes and Standards on design of pressure vessels (EN 13445 – EN 13480 – ASME Sect. VIII)

Remarkable experience in:

Plant Inspection
Welding metallurgy and weldability
Materials & Corrosion

Publications

- Plant Inspection Management for Chemical Petro-Chemical plants and Refineries - *Rivista Italiana della Saldatura* - 1998
- Example of Risk Based Inspection Study applied to a Desulphurization Unit - *Rivista Italiana della Saldatura* – 1998
- Risk Assessment for plants – *Manutenzione* – 1999
- Monitoring of low-speed shaft of elevators through the Acoustic Emissions Test – *Prevenzione Oggi* - 2001
- Recent Developments of the API documents on Risk Based Inspection - *Rivista Italiana della Saldatura* – 2001
- New Semi-quantitative Approach for API - Risk Based Inspection and comparison with Qualitative Methods - *Rivista Italiana della Saldatura* – 2002
- Application of the RBI Technology on Storage Tanks in the Petrochemical Industry – *Il Giornale delle Prove non Distruttive* – 2004
- The draft procedure API RBI for Aboveground Tanks for liquid hydrocarbons storage - *Rivista Italiana della Saldatura* – 2005
- The role of welded joint vulnerability and various damage mechanisms active in process and petrochemical plants: reliability analysis with risk based inspection (RBI) approach - *WRC BULLETIN 533* – 2010
- Recent Developments of the API RBI - Risk Based Inspection Technology: Integration with the FFS – Fitness for Service Technology for the Calculation of the Release Probability - *Rivista Italiana della Saldatura* – 2012
- Processing of High Naphthenic Acid Crude in Topping and Vacuum Units: Evaluation of Corrosion Susceptibility for Carbon, Low Alloy and Stainless steels. Mitigation, Monitoring and Inspection Techniques - *Rivista Italiana della Saldatura* – 2014

**Conferences/
Seminars**

- *1st National Conference on Welded Structures – IIS - Genoa IT 1996*
- *Aluminum Alloy Components for Automotive – AIM – Turin IT 1997 (Speaker)*
- *Lifetime Management and Evaluation of Plant, Structures and Components – AEA – Cambridge UK - 1998*
- *3rd International Conference on Plant Maintenance – SMI - Bologna IT 1999 (Speaker)*
- *Corrosion in Refinery Petrochemical and Power Generation Plant - AIM – NACE – Venice IT 2000 (Speaker)*
- *PVRC's Conference on Implementation Issues in Risk Based Inspection – PVRC – Houston TX 2000*
- *Annual Assembly of International Institute of Welding – IIS – Florence IT 2000 (Speaker)*
- *Corrosion in Refinery Petrochemical Plants and application of PED - NACE IT – Gela IT 2001 (Speaker)*
- *NDT: training, certification and technical developments – IIS – Genoa IT 2002*
- *Fitness for Service and Risk Control in the Plant Management – IIS – Milan IT 2003 (Speaker)*
- *National Conference on NDT, Damage Monitoring and Diagnostic – AIPnD – Ravenna IT 2003 (Speaker)*
- *GNS2 – Welding National Days – IIS - Milan IT 2003 (Speaker)*
- *Technology of Oil & Gas Forum & Exhibition – TOG – Tripoli LY 2004 (Speaker)*
- *Application of non-conventional NDT techniques – AIPnD IIS Genoa IT 2006*
- *GNS4 – Welding National Days – IIS - Genoa IT 2007*
- *SAFAP Safety and Reliability for Pressure Equipment – ISPESE ENEL SARAS – Cagliari IT 2008*
- *API RBI European Workshop – E2G – Milan IT 2010 (Speaker)*
- *Accomplishments and innovations in the field of Pressure Equipment and Plant Fabrication and Service – IIS UNI – Milan IT 2011*
- *Updates in the field of Pressure Equipment and Plant Fabrication and Service – IIS CEC – Milan IT 2009*
- *MEC 2011 Manufacturing Engineering Council - GE Oil & Gas – Florence IT 2010 (Speaker)*
- *Updates in the field of Pressure Equipment and Plant Fabrication and Service – IIS CEC – Milan IT 2011*
- *SAFAP Safety and Reliability for Pressure Equipment – INAIL – Naples IT 2012*
- *ACHEMA Congress 2012 – DECHEMA – Frankfurt D 2012*
- *MCT-MCTER – Technology for Petrochemical Industry – Milan IT 2012*
- *GNS7 – Welding National Days – IIS - Genoa IT 2013*
- *Qatar Project 2015 – MEED – Doha (QA)*

- *ADIPEC 2015 –DMG Events - Abu Dhabi – UAE (Expositor)*
- *16th Middle East Corrosion Conference – NACE/BSE - Bahrain 2016 (Speaker)*
- *SAFAP Safety and Reliability for Pressure Equipment – Risk Management from construction to service – INAIL Milan IT 2016*
- *GNS9 - Welding National Days – IIS - Genoa IT 2017, Introduction to the joint laboratory IIS - UNIGE (DIME DICCA) for additive manufacturing (GeAM – Genova Additive Manufacturing)*
- *Steel Structure for the Building Industry: a sustainable approach towards the future – Technical Seminar – Metal Job ADDIS ABABA ET 2017 – (Speaker)*

**Committees /
Commissions /
Working Groups**

- Technical Committee for NDE – Acoustic Emission / Questionnaires – CiCPND 1996
- CEN TC121/SC4/WG6 – 1996/1998
- API RBI User Group – 2001 ÷ 2015
- RIMAP – TN - GROWTH Project GRD1-2000-25852 – 2003
- Italian Thermo-technical Committee - SC03-GC04-GL1 – Pressure Equipment Integrity – Creep – 2007
- Italian Thermo-technical Committee - SC03-GC04-GL3 – Pressure Equipment Integrity – Risk Based Inspection – 2009÷2014
- Scientific and Technical Committee of the Innovation and Research Pole of Regione Liguria EASS – Energy, Environment and Sustainable Development - 2017