

CURRICULUM VITAE - DARIO TICALI

Family name: Ticali
First names: Dario
Date of birth: December 6th 1975
Nationality: Italian
Civil status: Married
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Education:

Institution (date from- Date to)	Degree(s) or Diploma(s) obtained:
University of Palermo, Italy 1995-2001	Master Degree in Civil Transportation Engineering

Language skills: competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Italian	Mother tongue		
English	2	2	2

Membership of professional bodies:

- Member of National Association for Road Infrastructure (SIIV)
- Component of Scientific Committee of National Centre for Air Pollution (CIRIAF)

Present position: since October 2008 is a Researcher at Faculty of Engineering and Architecture of Kore University of Enna and teaches "Transportation System Engineering" and "Health and Safety on Work"..

Academic Profile:

He got a first-class degree in Civil Transportation Engineering (degree course lasting five years) during 2000/2001 academic year at Palermo University. His degree thesis is on "Airport Acoustic Pollution".

Master in Project Management and Public Policies, 2001 – 2002, University of Palermo (Italy).

Since 2002 has taught several lessons in Master and Courses post lauream (Airport Infrastructure, Road Infrastructure Design, Transport Engineering, Road Materials).

In 2004 he was consultant of Architecture Faculty of University of Palermo for project on "Public Transport Analysis at Sicilian Region – a new planning and regulation".

In 2005 he was consultant of Architecture Faculty of University of Palermo for project on "REMOMED – réseau européen intermodal pour un développement intégré des espaces de la méditerranée occidentale – Interreg III b méditerranée occidentale".

In 2006, he got a Ph. Doctorate on the subject of Road, Railway and Airport Infrastructure, at Doctorate School of Palermo.

2006-2007 is Researcher at Engineering Faculty at University of Palermo on "Global Quality Management System for Road Infrastructure".

Since 2008 is Researcher at Faculty of Engineering and Architecture of Kore University of Enna.

Main research activities are: road and airport design, road innovative materials, reuse of traditional materials in road engineering, energy and environmental planning, sustainable mobility, energy saving and assessment of environmental impact.

- 2011-12 – Chairman of Scientific Committee for University Master in “Environmental Assessment Procedures” at University Kore of Enna, Italy.
- 2008-09 – Teacher on University Master on “Road Quality Management” at University Kore of Enna, Italy
- 2008-09 – Teacher on University Master on “Aviation Safety Management System” at University of Palermo, Italy

Leader of the “Engineering Transportation Expert Team” of Research Group on:

- “new transport model in urban and suburban area” for the project Integrated Multiparametric System and Model of Environment Monitoring”;
- “Monitoring of Environmental parameter and pollution level by traffic flow in urban area” for project “M3C – Mobile, Monitoring, Management and Control”;
- Senior Expert for research project on “Energy efficiency Cap and Trade System (ECATS): Designing an institutional framework for Northern Africa”, financed by REEEP (Renewable Energy and Energy Efficiency Partnership) Vienna;

Over 40 papers published on national and international journals and/or presented at scientific congresses. Most important as follow:

1. 2013 – paper on journal, CORRIERE F, GUERRIERI M, TICALI D, MESSINEO A (2013). “Estimation of air pollutant emissions in Flower roundabouts and in conventional roundabouts”. ARCHIVES OF CIVIL ENGINEERING Journal, vol. 59, p. 229-246, ISSN: 1230-2945, doi: 10.2478/ace-2013-0012
2. 2012 - paper on journal , Alaimo A, De Marchis M, Freni G, Messineo A, Ticali D (2012). “Concept of a new pluviometer for metering rainfall erosivity”. ADVANCED MATERIALS RESEARCH Journal, vol. 452 – 453 , p. 316-320, ISSN: 1022-6680, doi: 10.4028/www.scientific.net/AMR.452-453.316 Codice ISI: WOS:000309691400061 Codice SCOPUS: 2-s2.0-84857164181
3. 2012 - paper on journal , Guerrieri M, Parla G, Ticali D (2012). “A theoretical and experimental approach to reconstructing the transverse profile of worn-out tracks”. INGEGNERIA FERROVIARIA Journal, p. 23-37, ISSN: 0020-0956 Codice ISI: non indicato. Codice SCOPUS: 2-s2.0-84859501397;
4. 2012 - paper on journal , Messineo A, Alaimo A, Denaro M, Ticali D (2012). “Piezoelectric bender transducers for energy harvesting applications”. ENERGY PROCEDIA Journal, vol. 14, p. 39-44, ISSN: 1876-6102, doi: 10.1016/j.egypro.2011.12.894 Codice ISI: 000305958700007 Codice SCOPUS: 2-s2.0-84858408891;
5. 2012 - paper on journal , Guerrieri M, Ticali D, Parla G (2012). “IMAGE ANALYSIS FOR DETECTING THE TRANSVERSE PROFILE OF WORN-OUT RAILS”. GSTF INTERNATIONAL JOURNAL ON COMPUTING, vol. 2, p. 81-87, ISSN: 2010-2283, doi: 10.5176/2010-2283_2.1.132 ;
6. 2012 - paper on journal , Guerrieri M, Ticali D, Corriere F (2012). “TURBO ROUNDABOUT: GEOMETRIC DESIGN PARAMETERS AND PERFORMANCES ANALYSIS”. GSTF INTERNATIONAL JOURNAL ON COMPUTING, vol. 2, p. 227-232, ISSN: 2010-2283, doi: 10.5176/2010-2283/2.1.155 ;
7. 2012 – Conference Proceedings , Vecchio A., Andrisani M. G., Ticali D, Calace N (2012). “RISK ASSESSMENT AS TOOL FOR MANAGEMENT OF CONTAMINATED SEDIMENTS IN A HARBOUR CONFINED DISPOSAL AREA”. In: NORDROCS 2012, 4th Nordic Joint Meeting on Remediation of Contaminated Sites. International conference. Oslo, Norway, september 2012 ;
8. 2012 - paper on journal , Guerrieri M., Ticali D, Corriere F., Galatioto F. (2012). “Flower roundabouts: estimation of capacity and level of service”. GSTF INTERNATIONAL

- JOURNAL ON COMPUTING, vol. 2, p. 101-106, ISSN: 2010-2283, doi: 10.5176/2010-2283_2.2.175 ;
9. 2012 – Conference Proceedings, Mauro De Marchis, Freni G, Enrico Napoli, Dario Ticali (2012). “The role of the tidal and wind forces on the hydrodynamic flow pattern and pollutant dispersion in the Augusta Harbour (Italy)”. In: Proceedings HIC 2012. ISBN: 9783941492455, Amburgo (Germania), 14-18 luglio 2012 ;
 10. 2012 - paper on journal , Ticali D, Denaro M, Barracco A, Guerrieri M (2012). “Electromechanical characterization of a bimorph piezo for Energy Harvesting applications in road infrastructures”. EUROPEAN JOURNAL OF SCIENTIFIC RESEARCH, vol. 90 issue 2, p. 212-217, ISSN: 1450-216X ;
 11. 2012 - paper on journal , GUERRIERI M, PARLA G, TICALI D (2012). “Mono and stereoscopic image analysis for detecting the transverse profile of worn-out rails”. PROCEDIA: SOCIAL & BEHAVIORAL SCIENCES Journal, vol. 53, p. 611-621, ISSN: 1877-0428, doi: 10.1016/j.sbspro.2012.09.911 Codice ISI: 000312560400058;
 12. 2012 – Conference Proceedings, GUERRIERI M, TICALI D (2012). “BALLASTED TRACK SUPERSTRUCTURES: PERFORMANCES OF INNOVATIVE RAILWAY SLEEPERS (EGA and HP-BB)”. In: Dr J. Pombo. Proceedings of the First International Conference on Railway Technology: Research, Development and Maintenance. vol. 39, p. 1-11, Civil-Comp Press, Stirlingshire, UK, ISBN: 9781905088539, Las Palmas de Gran Canaria, Spain, 18-20 April 2012, doi: 10.4203/ccp.98.39 ;
 13. 2012 - paper on journal , Guerrieri M, Parla G, Ticali D, Corriere F (2012). “Tramway track: a new approach for measuring the transverse profile of worn-out rails”. AASRI PROCEDIA Journal, vol. 3, p. 451-456, ISSN: 2212-6716, doi: 10.1016/j.aasri.2012.11.071
 14. 2012 - paper on journal , Guerrieri M, Ticali D, Denaro M (2012). “High performance BI-Block sleeper for improvement the performances of ballasted railway track”. AASRI PROCEDIA Journal, vol. 3, p. 457-462, ISSN: 2212-6716, doi: 10.1016/j.aasri.2012.11.072
 15. 2012 - paper on journal , GUERRIERI M, CORRIERE F, TICALI D (2012). “TURBO-ROUNDOABOUT: GEOMETRIC DESIGN CRITERIA, CAPACITY AND LEVEL OF SERVICE”. TEHNICKI VJESNIK Journal - STROJARSKI FAKULTET, vol. 2, p. 201-208, ISSN: 1330-3651 ;
 16. 2011 – Conference Proceedings , Guerrieri M, Ticali D (2011). “TRAFFIC CALMING BENEFITS: CASE STUDIES FROM ITALY”. In: XXIVth World Road Congress Mexico City, World Road Association (AIPCR/PIARC). ISBN: 2840602679, Mexico City, 26-30 September 2011 ;
 17. 2011 – Conference Proceedings , Guerrieri M, Ticali D (2011). “Urban Tramway: safety on junction”. In: 4° Convegno Nazionale Sistema Tram: “MetroTramTreno” Evoluzione e flessibilità. MetroTramTreno, Roma, 30 settembre-1 ottobre 2010 ;
 18. 2011 - paper on journal , Ticali D, et al. (2011). “Piezoelectric bender transducers for energy harvesting applications”. ENERGY PROCEDIA Journal, vol. 14, p. 39-44, ISSN: 1876-6102, doi: 10.1016/j.egypro.2011.12.895
 19. 2011 - paper on journal , Ticali D, et al. (2011). “A new Environmental Assessment Methodology for Highway level of service”. IA. INGEGNERIA AMBIENTALE, vol. Vol. XL N. 6, p. 445-455, ISSN: 0394-5871 ;
 20. 2011 – Conference Proceedings , GUERRIERI M, TICALI D (2011). “Sustainable mobility in park areas: the potential offered by guided transport systems”. In: OSWALD CHONG AND CHRISTOPHER HERMRECK. ICSDC 2011: Integrating Sustainability Practices in the Construction Industry. p. 661-668, Oswald Chong and Christopher Hermreck, ISBN: 9780784412046, Kansas City, KS, USA, March 23-25, 2011, doi: 10.1061/41204(426)81 ;
 21. 2011 – Conference Proceedings , GUERRIERI M, TICALI D (2011). “Design standards for converting disused railway lines into greenways”. In: Oswald Chong and Christopher Hermreck. ICSDC 2011 Integrating Sustainability Practices in the Construction Industry. p. 654-660, Oswald Chong and Christopher Hermreck, ISBN: 9780784412046, Kansas City, KS, USA, March 23-25, 2011, doi: 10.1061/41204(426)81, SCOPUS code: 2-s2.0-84859501397

Professional profile:

- Professional engineer with significant hands on experience in transportation model, study and research, urban transport planning, roadway and railway planning, public transport technical and economic analysis.
- Professional engineer with significant hands on experience in environmental impact assessment and integrated environmental pollution prevention and control issues in the field of the energy, chemical and petrochemical sectors.
- Extensive experience with environmental institutions acquired during over 5 years consultancy for Ministry of the Environment of Italy in the national Integrated Pollution Prevention and Control committee for the evaluation of technical documents and the issuance of the integrated environmental authorizations for the most important Italian industrial plants.
- Extensive experience with transportation institutions acquired during over 10 years consultancy for Ministry of the Environment of Italy in the sustainable mobility, acoustic assessment on road infrastructure, and for Regional Administration for urban transportation planning, local airport and public transport strategy and development.
- Strong teamwork attitude matured working in multi disciplinary, multinational and multicultural working groups; Excellent communication and persuasive skills, gained through an extensive experience as trait-d'union among multiple entities (private companies, national and international agencies, public and governmental institutions, etc.).

Professional experience

Date from-date to	Location	Company	Position	Description
September 2008 - to present	Italy	Ministry of the Environment of Italy	Integrated Pollution Prevention and Control (IPPC) Commission	<p>Chairman of IPPC (Integrated Prevention and Pollution Control) committee to authorize the emissions into air, water and soil of Large Combustion Plants, Petrochemical plants/Refineries, Large Volume Chemical Organic and Inorganic plants, LNG and Hydrocarbon development plants. The most important of which are:</p> <ul style="list-style-type: none"> - Large Combustion Plants - Thermal Power Plants of: Enel Porto Tolle, Luminosa Benevento, Energy Plus Salerno, Edison Marghera Azotati, Edison Presenzano, Ansaldo Offlaga; - Chemical Plants of: Carburanti del Candiano Ravenna, Equipolymers Ottana, Plastipak Preforme Verbania, Polimeri Europa plant of Mantova, Polimeri Europa, plant of Priolo, Polimeri Europa plant of Porto Torres, Sadepan Viadana, Sasol Italy plant of Sarroch, Yara plant of Ferrara, Yara plant of Ravenna, Air Liquide of Priolo; - Refineries of: Iplom Busalla, Raffineria Isab plant Nord of Priolo; Raffineria Isab plant Sud of Priolo, Complesso IGCC Isab Energy of Priolo; - Hydrocarbons – Edison LNG Terminal Adriatico; Eni, offshore production platform Barbara T2 <p>Expert Team” Member “ for IPPC proceedings for several industrial plants, the most important of which are: Steel Factory ILVA of Taranto, Refinery Esso of Augusta, Refinery ENI of Gela, Refinery API of Falconara, Refinery ENI of Taranto, Thermal Power Plants ENEL of Torrevaldaliga Nord, Edipower of San Filippo del Mela, Edison of Taranto, Iride Energia of Torino, EnPlus of San Severo and the Chemical Plants of Polimeri Europa of Ravenna and Polimeri Europa of Mantova.</p>
April 2006 – December 2006	Italy	Sviluppo Italia (Public Administration for Italian Government)	Independent Environmental Consultant	Consultant for projects on: ITS – Intelligent Transport System applied to port and urban mobility; logistics in urban area; sustainable mobility in Palermo (Sicily); airport infrastructure development and economic assessment
April 2004 – april 2005	Italia	Palermo Public Administration	transportation Consultant	Consultant for town of Palermo - Public Administration - to carry out the planning of urban sustainable mobility development for UE project MOSES (Mobility Services for Urban Sustainability), MEDCLIMA (Climate Alliance for Mediterranean Cities) and City Car Sharing