

# Fabrice MATHIEU

## SPECIALIST ENGINEER



### DATE OF BIRTH

17/12/1971

### EXPERIENCE

18 years

### EDUCATION

Master of Engineering – 1994  
(Graduate of National Engineering School – Metz, France).

### LANGUAGES

French – Mother tongue

English – Fluent

Spanish – Beginner

German – Beginner

### INTERNATIONAL EXPERIENCE

European Countries

North America

South East Asia

### AWARDS

2015 : 1<sup>st</sup> Innovation Award in Vinci Group for Bicalcis process

2010 : Awards in Vinci Group for CSM Geomix/CSM process

2009 : Award within SB Group for Trenchmix process

2007 : 2nd Innovation Award of French public Works Federation for Geomix/CSM process

2004 : Bauma Exhibition Innovation Award for CSM equipment.

### 8 years in Engineering Division as technical specialist:

#### Expertise in Deep Mixing, Anchors, and Jet-grouting

- Technical answer to tenders
- Technical assistance on site
- Return on Experience

**CFMS member (French Comitee of Soil Mechanics)**

**DFI member (Deep Foundation Institute)**

### Publications

*Le procédé JetPlus optimise le jet-grouting* - Symposium ASEP-GI, Paris, 2004.

*CSM : An innovative solution for mixed-in-situ retaining walls, cut-off walls and soil improvement*, DFI/EFFC 10th International Conference on Piling and Deep Foundations, Amsterdam, 2006.

*Dyke rehabilitation with a Trencher: Recent applications in Europe*, ISSMGE, New Orleans, 2012.

*Deep soil mixing with Geomix method : Influence of dispersion in UCS values on design calculations*, ISSMGE, New Orleans 2012

*Geomix Caissons against liquefaction*, ISSMGE - TC 211 International Symposium on Ground Improvement IS-GI, Brussels, 2012

*Réhabilitation des digues fluviales et maritimes : Lutte contre l'érosion interne par mise en place d'une paroi étanche*, Revue Travaux n°891, 2012

*Importance and practical examples of inertial soil improvement*, 18th ICSMGE, Paris 2013.

*Construction of a Seepage Cut-Off and Temporary Retaining Wall for an Excavation in Alluvial Soils using Cutter Soil Mixing method*, 22nd Symposium of the Vancouver Geotechnical Society, 2014

*A Soil Remediation Solution by Deep Soil Mixing under Low Headroom Conditions*, 16th ECSMGE, Edimburgh, 2015.

*Successful combination of rigid inclusions and Trenchmix soil improvement solutions*, 16th ECSMGE, Edimburgh, 2015.

*Recommandations pour l'étude de la formulation du matériau deep mixing*, Journées Nationales de Géotechnique et de Géologie de l'Ingénieur, Nancy, France 2016.

*Contribution à l'étude de durabilité du matériau deep mixing*, Journées Nationales de Géotechnique et de Géologie de l'Ingénieur, Nancy, France 2016.

*Jet-grouting within contaminated landfill*, Grouting 2017 International conference, Hawaï, 2017.

*Ground improvement by combination of CSM and jet-grouting*, Grouting 2017 International conference, Hawaï, 2017.

*Efficacité et durabilité des écrans étanches "soil mixing" dans les digues*, ICOLD, Vienna 2018.

*Retour d'expérience sur les mélanges chaux/ciment dans les écrans « deep soil mixing » des levées de la Loire*, ICOLD, Ottawa, 2019.

