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## Employment

**Professor**  
School of Natural and Built Environment  
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## Research output

**Saving the planet through cementfree concrete products**  
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**Sodium silicate from waste glass cullet as an activator for cement-less concrete**  
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**Connecting citizens through participatory design activities: lessons from Kuala Lumpur, Malaysia**  
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**Compressive strength estimates for adiabatically cured concretes with the Modified Nurse-Saul (MNS) maturity function**

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**Improving the Recycling Rate of the Construction Industry**

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**Efficient mix design of alkali activated slag concretes based on packing fraction of ingredients and paste thickness**

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**Radiological characterisation of alkali-activated construction materials containing red mud, fly ash and ground granulated blast-furnace slag**

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**Reuse and Recycling of CDW Materials and Structures in Energy Efficient Prefabricated Elements for Building Refurbishment and Construction - RE4**

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**Comparison of the effect of mix proportion parameters on behaviour of geopolymers and Portland cement mortars**

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**Strength development of GGBS and fly ash concretes and applicability of fib model code's maturity function – A critical review**

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**Introduction**

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**Part I: Fundamentals**

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**Part III Concrete**

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**Part X Selection and sustainable use of construction materials**

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## **Activities**

### **Journal of Advanced Concrete Technology (Journal)**

Fragkoulis Kanavaris (Peer reviewer), Marios Soutsos (Peer reviewer) & Jian-Fei Chen (Peer reviewer)  
18 Dec 2023

### **S2495CIV KTP/ ReCon Waste Management Ltd**

Rory Doherty (Advisor) & Marios Soutsos (Advisor)  
Apr 2022 → 2024

### **Autogenous Shrinkage of Cement-Based Materials: From the Fundamental Role of Self-Desiccation to Mitigation Strategies Based on Alternative Materials**

Marios Soutsos (Examiner)

20 Oct 2017

**Radiological evaluation of by-products used in construction and alternative applications; Preparation of By-BM natural radioactivity database**

Zoltan Sas (Presenter), Wouter Schroeyers (Contributor), Rory Doherty (Contributor), Wei Sha (Contributor) & Marios Soutsos (Contributor)

02 Oct 2017 → 05 Oct 2017

**Natural radioactivity related concerns of synthetic construction materials; Introduction of By-BM Project**

Zoltan Sas (Presenter), Wouter Schroeyers (Contributor), Marios Soutsos (Contributor), Wei Sha (Contributor) & Rory Doherty (Contributor)

13 Sept 2017

**UG External Examiner**

Marios Soutsos (Examiner)

01 Sept 2017 → 31 Aug 2020

**COST Action TU1301 NORM4Building Final Symposia**

Zoltan Sas (Speaker), Tibor Kovacs (Speaker), Gergo Bator (Contributor), Rory Doherty (Contributor), Marios Soutsos (Contributor) & Wouter Schroeyers (Participant)

07 Jun 2017

**Effect of Improper Curing on Concrete Properties that may Affect Concrete Durability**

Marios Soutsos (Examiner)

21 Apr 2017

**Durability of geopolymers concrete**

Marios Soutsos (Examiner)

03 Apr 2017

**Key Factors Affecting Distribution and Orientation of Fibres in Steel Fibre Reinforced Concrete and Subsequent Effects on Mechanical Properties**

Marios Soutsos (Examiner)

17 Jan 2017

**Construction and Building Materials (Journal)**

Marios Soutsos (Peer reviewer)

2017

**Introduction to By-BM database built for characterization of industrial by-products from environmental radioactivity point of view**

Zoltan Sas (Presenter), Wouter Schroeyers (Contributor), Marios Soutsos (Contributor), Wei Sha (Contributor), Rory Doherty (Contributor) & Tibor Kovacs (Contributor)

06 Dec 2016

**Global Challenges Workshop**

Marios Soutsos (Participant)

13 Nov 2016 → 18 Nov 2016

**Development of Brown Coal Fly Ash Geopolymer Concrete**

Marios Soutsos (Examiner)

05 Oct 2016

**Introduction of By-BM H2020-MSCA-IF-2015 project**

Zoltan Sas (Presenter), Rory Doherty (Contributor), Marios Soutsos (Contributor), Wei Sha (Contributor) & Wouter Schroeyers (Contributor)

18 May 2016

**Multi-stage microwave curing for manufacturing alkali-activated fly ash**  
Marios Soutsos (Examiner)  
19 Apr 2016

**Performance of structural lightweight oil palm shell concrete incorporating high volume ground granulated blast furnace slag**  
Marios Soutsos (Examiner)  
19 Aug 2015

**Activated hybrid cementitious system using Portland cement and high volume Colombian fly ash with sodium sulfate**  
Marios Soutsos (Examiner)  
27 Jul 2015

**Using South African fly ash as a component of alkali-activated binder**  
Marios Soutsos (Examiner)  
29 Jan 2015

**Post restrained shrinkage behaviour of plain and fibre reinforced concrete**  
Marios Soutsos (Examiner)  
10 May 2014

**The use of ternary blended binders in high consistence concrete**  
Marios Soutsos (Examiner)  
24 Apr 2014

**Proceedings of the ICE - Construction Materials (Journal)**  
Marios Soutsos (Editor)  
2014 → 2017

**Durability as a Function of Microstructure of Alkali-Activated Slag/Fly Ash Binder**  
Marios Soutsos (Examiner)  
18 Oct 2013

**Ground borne vibrations from high speed trains**  
Marios Soutsos (Examiner)  
14 Aug 2013

**External Examiner, PhD**  
Marios Soutsos (Examiner)  
10 Feb 2012

**External Examiner, PhD**  
Marios Soutsos (Examiner)  
2011

**2nd International Conference on Durability of Concrete Structures, Scientific Committee**  
Marios Soutsos (Member of the scientific committee)  
24 Nov 2010 → 26 Nov 2010

**External Examiner, PhD**  
Marios Soutsos (Examiner)  
25 Oct 2010

**2nd International Conference on Sustainable Construction Materials and Technologies, Università Politecnica delle Marche, Ancona, Italy**  
Marios Soutsos (Member of the scientific committee)  
28 Jun 2010 → 30 Jun 2010

**2nd International Conference on Marine Environment Damage to Coastal and Historical Structures à Mechanisms of degradation, Durability, Diagnostics, Maintenance and Rehabilitation**  
Marios Soutsos (Member of the scientific committee)  
28 Apr 2010 → 30 Apr 2010

**International Conference on Sustainable Built Environment and Infrastructure in Developing Countries, address entitled "Current Research at the University of Liverpool", Algeria**  
Marios Soutsos (Invited speaker)  
12 Oct 2009 → 14 Oct 2009

**External Examiner, PhD**  
Marios Soutsos (Examiner)  
25 Sept 2009

**7th International Symposium on Non-Destructive Testing in Civil Engineering, Nantes, France**  
Marios Soutsos (Member of the scientific committee)  
30 Jun 2009 → 03 Jul 2009

**External Examiner, PhD**  
Marios Soutsos (Examiner)  
23 Feb 2009

**External Examiner PhD**  
Marios Soutsos (Examiner)  
09 Jan 2009

**External Examiner, PhD**  
Marios Soutsos (Examiner)  
15 Dec 2008

**Concrete Communication Conference**  
Marios Soutsos (Member of the organising committee)  
01 Sept 2008 → 02 Sept 2008

**SACoMaTIS 2008: RILEM International Conference: On Site Assessment of Concrete, Masonry and Timber Structures**  
Marios Soutsos (Member of the organising committee)  
01 Sept 2008 → 02 Sept 2008

**Ist International Conference on "Construction Heritage in Coastal and Marine Environments. Damage, Diagnostics, Maintenance and rehabilitation", Lisbon, Portugal.**  
Marios Soutsos (Member of the organising committee)  
28 Jan 2008 → 30 Jan 2008

**Invited member of the Round Table Group – The Leading Authority in Expert Witness**  
Marios Soutsos (Member)  
2008 → 2012

**Invitation by The Institute of Concrete Technology to present "Precast Concrete Products made with Recycled Demolition Aggregate", at the 35th Annual Symposium entitled: "New Concrete Technology in Construction", 26-28 March 2007, Chesford Grange**

Marios Soutsos (Speaker)  
26 Mar 2007 → 28 Mar 2007

**Invitation by The Institute of Concrete Technology to present our research work on recycling, "New Materials and Innovations", Rugby – 17th February 2005.**

Marios Soutsos (Speaker)  
2005

**Rilem (External organisation)**

Marios Soutsos (Member)  
2004 → 2012

**Rilem (External organisation)**

Marios Soutsos (Member)  
2004 → 2007

**American Concrete Institute (External organisation)**

Marios Soutsos (Member)  
2003 → ...

**Institute of Concrete Technology, "Recycling – Cementing Concrete Solutions", Chatham Lodge, Lymm**

Marios Soutsos (Chair)  
03 Jul 2002

**"Profit from recycling" Conference, speech entitled "Precast concrete products made with recycled construction and demolition waste"**

Marios Soutsos (Invited speaker)  
18 Apr 2002

**The British In-situ Concrete Paving Association (External organisation)**

Marios Soutsos (Member)  
2002 → 2005

**Annual Meeting of the British Geological Society, entitled "Dielectric Properties of Concrete", Nottingham, UK**

Marios Soutsos (Invited speaker)  
Oct 2000

**British Institute organised Non-Destructive Testing International Conference "NDT in Civil Engineering", Liverpool, UK**

Marios Soutsos (Member of programme committee)  
08 Apr 1997 → 11 Apr 1997

**Non-Destructive Testing International Conference (Invited Session Chair - NDT in Civil Engineering)**

Marios Soutsos (Session chair)  
08 Apr 1997 → 11 Apr 1997

**Engineering Structures (Journal)**

Marios Soutsos (Referee)  
1995 → 2012

**Journal of Materials in Civil Engineering (Journal)**

Marios Soutsos (Referee)  
1995 → 2012

**Journal of Nuclear Materials (Journal)**

Marios Soutsos (Referee)

1995 → 2012

**Journal of Testing and Evaluation (Journal)**  
Marios Soutsos (Referee)  
1995 → 2012

**Materials and Structures (Journal)**  
Marios Soutsos (Referee)  
1995 → 2012

**Waste Management (Journal)**  
Marios Soutsos (Referee)  
1995 → 2012

## Prizes

Elsevier Best Paper on Materials Award for paper entitled "The Effect of Temperature on the Rate of Strength Development of Mortar Mixes"  
Soutsos, Marios (Recipient), 2010

## Awards

### Projects

**R6568NBE: A Ductile, High Energy Absorptive and Rapid Post-tensioning System for Extending Life of Concrete Structures.**  
Chen, J. F., Amato, G. & Soutsos, M.  
12/05/2017 → ...

**R3785CIV: BanahCEM Phase II**  
Soutsos, M., Nanukuttan, S. & Sha, W.  
17/06/2016 → 31/07/2018

**R6538CIV: By-products for Building Materials**  
Soutsos, M., Doherty, R. & Sha, W.  
05/04/2016 → 24/04/2018

**R3581CIV: Development and Commercialisation of banahCEM Geopolymer Binder**  
Cleland, D., Nanukuttan, S. & Soutsos, M.  
13/12/2013 → 31/10/2016

**R5736CIV: Development of geopolymer cement**  
Cleland, D., Nanukuttan, S. & Soutsos, M.  
01/08/2011 → ...

**R1650ARC: Global Challenges Workshop**  
Selim, G., Chen, J. F. & Soutsos, M.  
29/07/2016 → 30/11/2016

**S2445CIV: KTP/ Creagh Concrete Products Limited**  
Conway, G., Nanukuttan, S., Sha, W. & Soutsos, M.  
01/08/2018 → 30/06/2022

**S2814CIV: KTP/ FP McCann Limited**

Nanukuttan, S. & Soutsos, M.

01/08/2022 → ...

**S2495CIV: KTP/ ReCon Waste Management Ltd**

Doherty, R. & Soutsos, M.

01/08/2021 → ...

**S2385CIV: KTP/ Virtus Concrete Solutions - Oct 2015**

Sha, W. & Soutsos, M.

01/08/2015 → 31/12/2016

**S2358CIV: KTP/Banah UK**

Nanukuttan, S. & Soutsos, M.

01/08/2013 → 28/02/2017

**S2386CIV: KTP/Creagh Concrete Products Ltd**

Chen, J. F., Nanukuttan, S., Robinson, D., Sha, W. & Soutsos, M.

01/08/2015 → ...

**S2485CIV: KTP/Macrete Ireland Ltd**

Nanukuttan, S. & Soutsos, M.

01/08/2021 → ...

**S2498CIV: KTP/Moore Concrete Products Ltd**

McPolin, D., Nanukuttan, S. & Soutsos, M.

01/08/2021 → ...

**S2809CIV: KTP/Tobermore Concrete Products Limited**

Nanukuttan, S. & Soutsos, M.

01/08/2022 → ...

**R3810NBE: Low Carbon Footprint Precast Concrete Products for an Energy Efficient Built Environment**

Soutsos, M., Chen, J. F., Cox, S., Long, A., Selim, G. & Sha, W.

11/11/2016 → ...

**R2277CIV: Non-Conventional, Recyclable, Construction Materials for Infrastructure Renewal**

Chen, J. F. & Soutsos, M.

04/04/2016 → 30/06/2016

**R1482CIV: Rational Design of Low-CO<sub>2</sub> Alkali-activated Concretes for Eco-efficiency and Durability**

Nanukuttan, S. & Soutsos, M.

10/11/2014 → 31/03/2018

**R1539CIV: REcovery and uSe of Cement kIN Dust as the alkali Activator for Geopolymeric (Cementless) Concrete Building Blocks**

Soutsos, M., Chen, J. F., Doherty, R. & Sha, W.

10/07/2015 → 30/04/2018

**R3954NBE: Re-Use and Recycling of Decommissioned Composite Material Wind Turbine Blades**

McKinley, J., Niblock, C. & Soutsos, M.

11/10/2017 → ...

**R6542CIV: Reuse and Recycling of Materials and Structures in Energy Efficient Prefabricated Elements for Building Refurbishment and Construction - RE4**

Soutsos, M. & Sha, W.  
29/07/2016 → ...

**R6372CIV: SUS-CON SUStainable, innovative & energy-efficient CONcrete, based on the integration of all-waste materials**

Soutsos, M., Basheer, M. & Nanukuttan, S.  
01/08/2011 → 31/12/2015

**N/A**

2018	Lorem ipsum dolor sit amet
2017	Lorem ipsum dolor sit amet
2016	Lorem ipsum dolor sit amet
2015	Lorem ipsum dolor sit amet
2014	Lorem ipsum dolor sit amet
2013	Lorem ipsum dolor sit amet