**Personal Data**

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| **Name:** | **Hussam Suhail Alghamdi** |
| **Nationality:** | Saudi |
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**Education**

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| **Degree** | **Institution** | **Discipline** | **Year** |
| B.Sc.  M.Sc.  Ph.D. | King Saud University, Riyadh, Saudi Arabia  The University of New South Wales, Sydney, Australia  Arizona State University, Tempe, USA. | Civil Eng.  Structural Eng.  Structural Eng. | 2007  2011  2019 |

**Academic Experience**

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| **Institution** |  | **Title** | **Years** |
| * King Saud University, College of Eng., Riyadh, Saudi Arabia |  | Assistant Professor  Lecturer  Teaching Assistant | 2019- present  2011‑2013  2007-2008 |

**Honors and Awards**

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| Scholarship from King Saud Univ. for Graduate Studies abroad (M.Sc. and Ph.D.) |

**Service Activities (within and outside of the institution)**

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| Coordinator of the laboratory Procurement Committee  Member of the Development Of The Department Committee |
| Member of the Statistics, Information And Alumni Committee |
| Member of the Annual Report Committee |
| Reviewer of scientific papers in several high-esteemed international journals |

**Publications and Presentations for the Past Five Years**

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| **Alghamdi, Hussam**, Akash Dakhane, Absar Alum, Morteza Abbaszadegan, Barzin Mobasher, and Narayanan Neithalath. "Synthesis and characterization of economical, multi-functional porous ceramics based on abundant aluminosilicates." *Materials & Design* 152 (2018): 10-21. |
| **Alghamdi, Hussam**, and Narayanan Neithalath. "Novel synthesis of lightweight geopolymer matrices from fly ash through carbonate-based activation." *Materials Today Communications* 17 (2018): 266-277. |
| Nair, Sooraj AO, **Hussam Alghamdi**, Aashay Arora, Iman Mehdipour, Gaurav Sant, and Narayanan Neithalath. "Linking fresh paste microstructure, rheology and extrusion characteristics of cementitious binders for 3D printing." *Journal of the American Ceramic Society* 102, no. 7 (2019): 3951-3964. |
| **Alghamdi, Hussam**, Sooraj AO Nair, and Narayanan Neithalath. "Insights into material design, extrusion rheology, and properties of 3D-printable alkali-activated fly ash-based binders." *Materials & Design* 167 (2019): 107634. |
| **Alghamdi, Hussam**, and Narayanan Neithalath. "Synthesis and characterization of 3D-printable geopolymeric foams for thermally efficient building envelope materials." *Cement and Concrete Composites* 104 (2019): 103377. |
| Alrshoudi, Fahed, Hossein Mohammadhosseini, Mahmood Md Tahir, Rayed Alyousef, **Hussam Alghamdi**, Yousef Alharbi, and Abdulaziz Alsaif. "Drying shrinkage and creep properties of prepacked aggregate concrete reinforced with waste polypropylene fibers." *Journal of Building Engineering* (2020): 101522. |
| Alrshoudi, Fahed, Hossein Mohammadhosseini, Rayed Alyousef, **Hussam Alghamdi**, Yousef R. Alharbi, and Abdulaziz Alsaif. "Sustainable Use of Waste Polypropylene Fibers and Palm Oil Fuel Ash in the Production of Novel Prepacked Aggregate Fiber-Reinforced Concrete." *Sustainability* 12, no. 12 (2020): 4871. |
| Mohammadhosseini, Hossein, Fahed Alrshoudi, Mahmood Md Tahir, Rayed Alyousef, **Hussam Alghamdi**, Yousef R. Alharbi, and Abdulaziz Alsaif. "Performance evaluation of novel prepacked aggregate concrete reinforced with waste polypropylene fibers at elevated temperatures." *Construction and Building Materials* 259 (2020): 120418. |
| Mohammadhosseini, Hossein, Fahed Alrshoudi, Mahmood Md Tahir, Rayed Alyousef, **Hussam Alghamdi**, Yousef R. Alharbi, and Abdulaziz Alsaif. "Durability and thermal properties of prepacked aggregate concrete reinforced with waste polypropylene fibers." *Journal of Building Engineering* (2020): 101723. |
| **Alghamdi, Hussam**, and Abadel, Aref. " Review of alternative approaches to the development of environmental sustainability associated with cement replacement. Sbmitted to *Advances in Concrete Construction, An International Journal.* (Under Review) |
| Albidah Abdulrahman, Alghannam Mohammed, **Alghamdi Hussam**, Abbas Husain, Almusallam Tarek, and Al-Salloum Yousef. "Influence of Metakaolin Partial Replacement by GGBFS and Silica fume on Characteristics of Alkali-Activated Concrete. To be submitted to *Ceramics international*. |