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## Academic Qualification

- **PhD (D.Eng) in Mechanical and Civil Engineering (2016)**
  - Gifu Universiti, Japan
  - Specialized in material and dynamic/quasi-static design for impact energy absorption
  - Thesis : " Energy Absorption Performance of Press-Formed Shell "
  - Received "Young scientist award at international workshop on explosion, shock-wave and high-velocity phenomena 2015.
- **Master (M.Eng) in Mechanical and Systems Engineering (2012)**
  - Gifu Universiti, Japan
  - Specialized in material and dynamic/quasi-static design for impact energy absorption and die and mould manufacturing design (Progressive and Transfer stamping)
  - Thesis : " Impact Energy Absorption Behavior of Deep-Drawn Shell "
- **Bachelor (B.Eng) in Mechanical and Systems Engineering (2010)**
  - Gifu Universiti, Japan
  - Thesis : " Impact Behavior of Adhesively-Bonded Aluminum Tubular Structure "

## Research Interests/Themes

- **Sheet metal forming ( experimental & simulation )**
  - My study was focusing on material and dynamic/quasi-static design for impact energy absorption. My team and I have design and fabricate in-house our own die, punching/impactor, indenter and load cell. We also study various factors involved in the impaction using quasi-static method and analyzed them using Dyna3D for deeper understanding.
- **Die and mould manufacturing design (Progressive and Transfer Press-stamping)**

## Publication (Selected)

- **Zubair Bin Khalil**, Yamashita, M., Kuno, Y., Hattori, T.. Energy absorption performance of press-formed shell. *Procedia Engineering*, Vol. 81 (2014), pp. 951-956.
- Yamashita, M., **Zubair Bin Khalil**. Deformation behavior of press formed shell by indentation and its numerical simulation. *Hindawi Publishing, Journal of Engineering*, Vol. 2015 (2015), Article ID 453931.
- Minoru Yamashita, Shuntaro Suzuki, **Zubair Bin Khalil**. Impact property of stacked press-formed shells. *International workshop on explosion, shock-wave and high-velocity phenomena 2015* (2015), No. P06, pp. 33.
- 山下 実, **Zubair Bin Khalil**, 服部 敏雄, 久野 悠介. プレス成形シェルのエネルギー吸収特性 (Press-formed shell impact energy absorption properties). *第64回塑性加工連合講演会* (2013), No. 216, pp. 85-86.