



Rusmadiyah Anwar (Assoc. Prof. Ts. Dr.)

Contact

Position: Prof Madya | Associate Professor
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Profile

Qualification and Granting Institution

- Master of Art & Design (Design Technology)
- Bachelor of Art & Design (Hons) (Ceramics)
- Bachelor of Design (Ceramics)

Areas of Expertise

- Industrial Ceramic Design
- Ceramic Material & Manufacturing

Teaching Interest

- Curriculum Design
- Training Module Development

PROFESSIONAL MEMBERSHIP

- Associate Member Institute of Electrical and Electronic Engineers (Membership No: 92374257)
- Technical Committee on Ceramic Materials & Sanitary Fittings SIRIM Bhd (Since 2009)
- Collective Member (University,) International Academy of Ceramics, (Since 2011)

AWARD

- Excellent Service Award 2008

ACHIEVEMENTS (DESIGN/ CREATIVE WORK/ PATEN)

Innovation, Invention & Design Expo 2013

- Silver Award - Batik & Songket Incorporating Standard Local Ceramic Domestic Ware as malaysian Surface Pattern Design
- Silver Award - On The Role of Designing Ablution Tub Based on Ergonomics Perspective
- Bronze Award - An Advance Kitchen Utensil for Visual Impaired
- Bronze Award - Mobile Language Application (MEL) as a Creative Education Approach

Research, Innovation, Invention Design 2012

- Silver Award - Hidden Pattern of Doodles As An Innovative Ceramic Lighting
- Silver Award - Applying Patterns Pua Kumbu on Ceramic Lighting
- Silver Award - Innovative Kids Learning Tools from Ceramic Cereal Breakfast Set
- Silver Award - Harmonic Chess Movement from Cartoon Character in Ceramic Art Ware
- Silver Award - The Innovative Modular Design On Wall Lightings For Avant-Garde Interior

Invention, Innovation & Design (Special Edition) 2010

- Bronze Award - Constructive Light
- Bronze Award - Expeditious Ceramic Light

Invention, Innovation & Design 2010

- Bronze Award - Sanitary Ware For Children Care Centres: A Case Study Of Offspring Loo In Children Care Centre In Klang Valley
- Bronze Award - Ceramic lighting employs translucent fine porcelain

ON-GOING SUPERVISION POSTGRADUATE STUDENT(S)

I. Research Assistants

- Adibah Ali
- Samsiah Rahman
- Abu Nain Omar
- Nur Liyana Norman

II. Master by Research

- Nor Haliza Johari (Main Supervisor)
- Soudeh Salehi (Co-supervisor)
- Syaza Abdul Rahim (Co-supervisor)
- Siti Nor Azila Nordin (Co-supervisor)

CONFERENCES

Technical Program Committee

- Publication Chair - 2013 IEEE Symposium on Business, Engineering and Industrial Applications 22 – 25 September 2013, Kuching, Malaysia.
- Reviewer Chair - 2013 IEEE Business, Engineering & Industrial Application Colloquium. 7-9 April 2013, Langkawi, Malaysia.

Paper Reviewer

- 2013 Symposium, Business, Engineering and Industrial Application
- 2013 Colloquium on Administrative Science and Technology
- 2013 Business, Engineering and Industrial Application Colloquium
- 2012 Symposium, Business, Engineering and Industrial Application
- 2012 Business, Engineering and Industrial Application Colloquium
- 2012 Symposium on Humanities, Science and Engineering Research

Participant / Presenter

- International Fine Arts Student Congress (IFASC 2013). 14 -15 March 2013, Istanbul, Turkey.
- IEEE BEIAC 2013. 7-9 April 2013, Langkawi, Malaysia.
- IEEE ISBEIA 2012. 23 -26 September 2012, Bandung, Indonesia.
- IEEE BEIAC 2012. 7–8 April 2012, Kuala Lumpur, Malaysia.
- IEEE SHUSER 2012. 24 - 27 June 2012, Kuala Lumpur, Malaysia.
- IEEE CHUSER 2011. 5-6 December 2011, Penang, Malaysia.
- Perdana Discourse Series: Bangsa Malaysia, Perdana Leadership Foundation, 12 November 2008, Putrajaya, Kuala Lumpur.

CONSULTANCY

- Panel for National Occupational Skills Standard – Ceramic Craft Production
- Technical Committee Meeting “Technical Committee on Ceramic Materials & Sanitary Fittings”, (Every 2 Months) for SIRIM Berhad.
- One Set Mother Mould & One Set Working Mould for CCS Corporation Sdn. Bhd.
- Artificial Historical Artworks for Chocolate Museum @ Kota Damansara, DR Group Holding Sdn Bhd.
- Firewall Concrete Test Pieces Firing Procedure for Faculty of Civil Engineering, UiTM Shah Alam. Head Project – Assoc. Prof. Dr. Azmi Ibrahim.
- Training Manual Development Panel for Noss Document Craft Field Ceramic Production for Malaysia Ministry of Human Resource (JPK).
- Training Manual Development Panel for Noss Document – Ceramic Production Task Outline Profile for Level 1 - Ceramic Production Operator - Slip Casting for Malaysia Ministry of Human Resource (JPK).
- Training Manual Development Panel for Noss Document – Ceramic Production Task Outline Profile for Level 2 - Assistant Ceramic Production Supervisor – Slip Casting for Malaysia Ministry of Human Resource (JPK).

INDUSTRIAL RESEARCH FUNDING INCLUDING CONTRACT RESEARCH

- 2013 - MASMED UiTM Projek Keusahawanan Sosial UiTM 1Malaysia "Rumah Gemilang" for Ministry of Higher Education RM260,000.00
- 2011 - Pusat Daya Cipta FSSR Mereka Bentuk Reka Corak Hiasan Pinggan Seramik for Syarikat Oriental Ceramics RM30,000.00
- 2009 - Pusat Daya Cipta FSSR Mereka Bentuk Reka Corak Hiasan Pinggan Seramik for Syarikat Claytan Group RM30,000.00

RESEARCH FUNDING

I. National Funding

- Head of Project - Malaysia Ministry of Higher Education Projek Keusahawanan Sosial UiTM 1Malaysia "Rumah Gemilang" RM260,000.00
- Head of Project - RAGS Collaborative Malay Conceptual Wudhu' Tub Future Trends RM70,000.00
- Project Member - RAGS Advance malay Mathematical Ceramic Pattern Design Theory RM78,000.00
- Project Member - ERGS Advanced Walet Template Nest Form Design Using Modified High Temperature Stoneware RM50,000.00

II. UiTM Excellent Fund

- Head of Project - Marble Dust Incorporate In Standard Local Ceramic Body As A Strength Enhancement In Sanitary Ware Products RM14,200.00
- Head of Project - Exploitation Of Palm Oil Waste As A Natural Filter Enhancing The Strength Of Ceramic Body RM9,000.00
- Head of Project - Collaborative Malay Conceptual Wudhu' Tub Future Trends RM20,000.00
- Project Member - Conceptual Ablution Ergonomic Design & Facility For Mosque RM20,000.00
- Project Member - An Investigation On Vision, Mind & Psychomotor In Drawing RM20,000.00
- Project Member - The Fundamental Of Keris Design Structure For Malay Regalia RM20,000.00
- Project Member - Superconducting Film Ceramic Treatment Surmounted Warpage Theory RM20,000.00
- Project Member - The Influence Of Micro-Mullite Particle In Porcelain Tile RM20,000.00
- Project Member - Reshuffling Artificial Reef Design As "Submerged Breakwater" For Heavy Current Impact Through Ceramic Structural RM20,000.00
- Project Member - Extended Luminescence Theory In Glazed Labu Sayong RM20,000.00
- Project Member - The Design Of The Domestic Heat Sink-Lamp Using Advanced Stoneware Body RM20,000.00

III. Industrial Research Funding Including Contract Research

- MASMED UiTM **Projek Keusahawanan Sosial UiTM 1Malaysia "Rumah Gemilang"** for Ministry of Higher Education RM260,000.00
- Pusat Daya Cipta FSSR **Mereka Bentuk Reka Corak Hiasan Pinggan Seramik** for Syarikat Oriental Ceramics RM20,000.00
- Pusat Daya Cipta FSSR **Mereka Bentuk Reka Corak Hiasan Pinggan Seramik** for Syarikat Claytan Group RM20,000.00

PUBLICATION/ARTICLES/NEWS RELATED

IEEE SHUSER 2013 Conferences Proceedings

- Enhancing the appearance of printed products using special effects, {IEEE/SCOPUS/ISI} in progress
- A Construction Procedure for Interactive Artwork Via Waste Material, {IEEE/SCOPUS/ISI} in progress

IEEE BEIAC 2013 Conferences Proceedings

- Conceptual Framework Study of Basic Counting Skills Based Dynamic Visual Architecture towards Autistic Children's Development, {IEEE/SCOPUS/ISI} [details](#)
- Local Peat Soil as Ball Clay Replacement in Earthenware, {IEEE/SCOPUS/ISI} [details](#)
- Revision on Cartoon Character Integrate with Chess Concept for Industrial Ceramic Artware, {IEEE/SCOPUS/ISI} [details](#)
- Study on Human Posture and Gesture Elements for Industrial Ceramic Robotic Artware, {IEEE/SCOPUS/ISI} [details](#)
- A Case Study on Skeleton Constituent as Earth Related Constructive Form, {IEEE/SCOPUS/ISI} [details](#)
- Humanistic Study in Ceramic Cereal Breakfast Set as Children Learning Tool, {IEEE/SCOPUS/ISI} [details](#)
- A Fusion Design Study Evolving a Malay Modern Teapot, {IEEE/SCOPUS/ISI} [details](#)
- Hidden Pattern of Doodles on Ceramic Lighting, {IEEE/SCOPUS/ISI} [details](#)
- Discovered Aesthetic Elements of Bubbles Inspiring Ceramics Art Form, {IEEE/SCOPUS/ISI} [details](#)
- A Study on Drying and Joining Process for Large Scale Sculpture Incorporate with Stoneware Body, {IEEE/SCOPUS/ISI} [details](#)
- Framework Design on Stoneware Bund for Modern Oryza Sativa Plantin, {IEEE/SCOPUS/ISI} [g details](#)
- Human Behaviours Influence Framework of the Ablution Tub Design, {IEEE/SCOPUS/ISI} [details](#)

ISBEIA 2012 Conferences Proceedings

- Design Framework of Ceramic Ablution Tub, {IEEE/SCOPUS/ISI} [details](#)
- Hypothetical Framework for Luminescence Effect as Advanced Decoration on Labu Sayong, ISBEIA 2012 {IEEE/SCOPUS/ISI} [details](#)
- The Theoretical Framework Study of Artificial Walet Nest Template from Stoneware Body, {IEEE/SCOPUS/ISI} [details](#)

IEEE BEIAC 2012 Conferences Proceedings

- Conceptual framework of hydroxyapatite for damaged skull through design approach, {IEEE/SCOPUS/ISI} [details](#)

IEEE SHUSER 2012 Conferences Proceedings

- Stoneware body strength using industrial sludge to conceptually proposed for ceramic artworks, {IEEE/SCOPUS/ISI} [details](#)
- Role of Video Application as an Instructional Strategy for Students Learning Development, {IEEE/SCOPUS/ISI} [details](#)

IEEE CHUSER 2011 Conferences Proceedings

- Marble Dust Incorporate in Standard Local Ceramic Body as Enhancement in Sanitary Ware Products, {IEEE/SCOPUS/ISI} [details](#)
- Study On Porcelain Anti Slip Tile Design, {IEEE/SCOPUS/ISI} [details](#)