Name：

Cheng-Wei Lin

Education：

- **Ph. D., Department of Materials Science and Engineering, Feng Chia University**
- **M.D., Institute of Biomedical Engineering and Materials Science, Central Taiwan University of Science and Technology**
- **A. D., Department of Dental Technology and Materials Science, Central Taiwan University of Science and Technology**

Career Experience：

- **Assistant Professor, Department of Dental Technology and Materials Science, Central Taiwan University of Science and Technology**
- **Lecturer, Department of Dental Laboratory Technology, Min-Hwei College of Health Care Management**

Courses Taught：

- **Design and Application of Orthodontic Technology and Lab**
- **Clinical Dental Morphology and Lab**
- **Dental CAD/CAM**
- **Dental Materials**
- **Lab. of Dental Materials**
- **Introduction and Occupational Ethics of Dental Technology**

Professional Fields：

- **Dental Technology**
- **Fixed Prosthodontics Technology**
- **Orthodontic Technology**
- **Biomaterial**

Research Interests：

- **Biomedical Engineering**
- **Surface coating**
- **Orthodontic of arch wire**
- **Dental alloy**
- **Titanium alloy**

Representative Publication in 10 Years：

Journal Articles：

1. **M. Yan, S. J. Ding, C. W. Lin, C. L.Wei, Y. W. Huang, C. C. Yang*, "Aging resistance of highly translucent zirconia ceramics with rapid sintering", Journal of Oral Science, 65 (2023) 15-19.**
2. **C. W. Lin, P. Y. Hsieh, C. M. Chou*, C. J. Chung, J. L. He, "Femtosecond laser surface roughening and pulsed plasma polymerization duplex treatment on medical-grade**

stainless steel substrates for orthodontic purpose", Surface and Coatings Technology, 427 (2021).

3. **C. W. Lin, C. J. Chung, C. M. Chou*, J. L. He, "In vitro wear tests of the dual-layer grid blasting-plasma polymerized superhydrophobic coatings on stainless steel orthodontic substrates", Thin Solid Films, (2019).**
4. **W. C. Peng*, C. W. Lin, J. L. He, S. L. Ou, C. L. Tien, K. C. Liu, "Preparation of hydrophobic thin film by PECVD technology for optical lens", Journal of Taiwan Vacuum Society, (2019).**
5. **C. W. Lin, C. J. Chung, C. M. Chou*, J. L. He, "Morphological effect governed by sandblasting and anodic surface reforming on the super-hydrophobicity of AISI 304 stainless steel", Thin Solid Films, (2016) 88-93.**
6. **C. R. Hsiao, C. W. Lin, C. M. Chou, C. J. Chung*, J. L. He, "Surface modification of blood-contacting biomaterials by plasma-polymerized super-hydrophobic films using hexamethyldisiloxane and tetrafluoromethane as precursors", Applied Surface Science, 346 (2015) 50-56.**
7. **S. C. Wu, W. F. Ho, C. W. Lin, H. KIKUCHI, F. T. Lin, H. C. Hsu*, "Surface characterization and bond strengths between Ti-20Cr-1X alloys and low-fusing porcelain", Dental Materials Journal, 30 (2011) 368–373.**
8. **W. F. Ho, S. C. Wu, C. W. Lin, S. K. Hsu, H. C. Hsu*, "Electrochemical behavior of Ti-20Cr-X alloys in artificial saliva containing fluoride", Journal of Applied Electrochemistry, 41 (2011) 337–343.**

Conference Papers：

1. **H. C. Hsu, H. Y. Wang, T. P. Yeh, S. K. Hsu, C. W. Lin*, "Preparation of dental composite materials by polymer-infiltrated-ceramic-network (PICN) technique", The 84th General Session of the Japanese Society for Dental Materials and Devices, P-50, April 18–19, 2026, The Japanese Society for Dental Materials and Devices, Tokyo, Japan.**
2. **C. W. Lin, C. M. Chou, C. J. Chung*, J. L. He, "Superamphiphobic stainless steel surface prepared by femtosecond laser patterning and pulsed plasma-polymerization", 47th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), DP–8, April 26–30, 2021, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**
3. **C. W. Lin, C. M. Chou, C. J. Chung, J. L. He, "In vitro Wear Tests of the Dual-layer Grid Blasting-plasma Polymerized Superhydrophobic Coatings", The 46th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), DP–ThP11, May 19–24, 2019, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**
4. **C. W. Lin, G. H. Lu, X. X. Chang, P. Y. Hsieh, C. M. Chou, C. J. Chung, J. L. He , "Superamphiphobic Surface Produced by Femtosecond Laser Patterning and Pulsed Plasma Polymerization", The 46th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), B5–1–ThA9, May 19–24, 2019, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**

5. **C. W. Lin, C. M. Chou, C. J. Chung, J. L. He, "Biocompatibility and Antimicrobial Performance of a Durable Superhydrophobic Surface Modified Stainless Steel", The 45th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), D1–24, April 23–27, 2018, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**
6. **C. W. Lin, J. L. He, "Anti-staining Coatings on PET Fabrics by Using a Spraying/ PlasmaPolymerization Duplex Technique", The 45th International Conference on Metallurgical Coatings and Thin Films (ICMCTF), BP–21, April 23–27, 2018, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**
7. **C. W. Lin, C. M. Chou, C. J. Chung, J. L. He, "Mechanical Durability of the Super-Hydrophobic Coating on Stainless Steel Prepared by Grid Blasting/Plasma Polymerization", The 60th Annual Society of Vacuum Coaters Technical Conference, April 29–May 9, 2017, Society of Vacuum Coaters (SVC™), Providence, Rhode Island, USA.**
8. **C. W. Lin, C. M. Chou, C. J. Chung, J. L. He, "Morphological effect governed by sandblasting and anodic surface reforming on the super-hydrophobicity of AISI 304 stainless steel", The 43rd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), D2–2–3, April 25–29, 2016, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**
9. **C. W. Lin*, C. M. Chou, C. J. Chung, J. L. He, "Hydrophobic AISI 304 stainless steel surface prepared by electrochemical treatment and fluorocarbon coating for orthodontic application", International Conference of Digital Dental Technology, May 30-31, 2015, Taiwan Association of Dental Technology, Taipei, Taiwan.**
10. **C. W. Lin, C. M. Chou, C. J. Chung*, J. L. He, "Super-hydrophobic AISI 304 stainless steel surface prepared by electrochemical treatment and fluorocarbon coating for orthodontic application", The 42nd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), D1–10, p.64, April 20–24, 2015, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**
11. **C. R. Hsiao, C. W. Lin, C. M. Chou, C. J. Chung*, J. L. He, "Surface modification of blood-contacting biomaterials by plasma-polymerized super-hydrophobic films using hexamethyldisiloxane and tetrafluoromethane as precursors", The 42nd International Conference on Metallurgical Coatings and Thin Films (ICMCTF), DP–7, p.104, April 20–24, 2015, Advanced Surface Engineering Division of the AVS, San Diego, California, USA.**

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