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## Press Release

### UM receives half of the prizes at Macao Science and Technology Awards

Several research teams from the University of Macau (UM) received half of the prizes at the 2016 Macao Science and Technology Awards. 13 doctoral students and five master's students from UM received the Postgraduate Science and Technology Research and Development Award.

UM received nine out of the 18 prizes, including three second prizes and three third prizes in the Natural Science Award, as well as one second prize and two third prizes in the Technological Invention Award category.

The evaluation committee conducted strict evaluation of 39 projects in accordance with the Regulations on Awards for the Development of Science and Technology. After a voting process, the evaluation committee suggested that 18 prizes be awarded this year, including 8 prizes in the Natural Science Award category, 6 prizes in the Technological Invention Award category, and 4 prizes in the Science and Technology Progress Award category.

UM recipients of the Macao Science and Technology Awards and their projects

| Category              | Prize        | Recipient(s)  | Project  |
|-----------------------|--------------|---|--|
| Natural Science Award | Second Prize | Philip Chen   | Computational Intelligent Systems for Modeling, Decision-Support in Tracking Control and Urban Traffic Assistance                            |
|                       | Second Prize | Wang Yitao, Li Shaoping, Lee Ming-Yuen, Leung Chung Hang, Wang Chunming | Fundamental Research and Applications of Key Issues of Chinese Medicine Quality Evaluation   |
|                       | Second Prize | Jin Xiaoqing, Vong Seak Weng, Cheng Che Man                             | Preconditioning Techniques for Toeplitz Systems with Applications  |
|                       | Third Prize  | Dang Pei, Qian Tao  | Extra-Strong Heisenberg Uncertainty Principle and Fast Positive-frequency Decomposition of Analytic Signals Based on Analytic Phase Analysis |



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|-------------------------------|--------------|---|--|
|                               | Third Prize  | Hojae Shim, Lu Qi Hong, Li Xue Qing, Renata Alves de Toledo | Development of Biological Technologies to Remove Petroleum and Chlorinated Hydrocarbons from Soil and Groundwater and to Generate Renewable Energy for Effluent Reutilization Purposes |
|                               | Third Prize  | Tang Yuanyan  | Theoretical and Computational Study for Image Pattern Analysis   |
| Technological Invention Award | Second Prize | Mak Pui In, Rui Martins                                     | Multi-standard Wireless and Multi-physical-sensing Chips for Functionality Extension of Next-generation Smart Mobiles  |
|                               | Third Prize  | Xu Qingsong   | Key Technologies and Applications of Large-Range Compliant Micro/Nano-Positioning Systems  |
|                               | Third Prize  | U Seng Pan, Zhu Yan, Sin Sai Weng, Chan Chi Hang            | High Performance Wideband Data Conversion Interfaces for a Evolving Informative World  |

UM recipients of the Postgraduate Science and Technology Research and Development Award include doctoral students Cheong Kit Leong, Yu Wei-han, Ren Change, Lei Ka Meng, Wu Dingtao, Nan Wenya, Zhang Tong, Zhang Xiaojing, Zhao Jing, Liu Licheng, Lao Keng Weng, Cheang Chak Fong, and Zhong Haijing; and master's students Wang Lu, Qi Liang, Chen Huanxian, Zeng Wenliang, and Cai Yuee.

**Caption:**

1. UM receives half of prizes at the Macao Science and Technology Awards

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