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Constructing low-dimensional molecular networks on metal surfaces

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Author biography

Tuan Anh Pham (in Vietnamese: Phạm Tuấn **Anh**) was born on 6th June 1984 in Nha Trang, Vietnam. **Anh** received his BSc. degree in Materials Science at Hanoi University of Technology, Hanoi (HUT), Vietnam in **2007**. After his graduation, **Anh** was appointed to work as a research assistant at Department of Materials Science, Faculty of Naval Architecture, Nha Trang University, Nha Trang, Vietnam in the same year. In **2009**, **Anh** received Brain Korea-21 (BK-21) scholarship from Korean government for his Master study at Pukyong National University (PKNU), Busan, South Korea and obtained his MSc. Degree in Materials Science in August **2011**.



In September **2011**, **Anh** moved to Groningen, the Netherlands where he was employed by Zernike Institute for Advanced Materials (ZIAM), University of Groningen, to work on the project *low-dimensional molecular networks*, funded by the Netherlands Organization for Scientific Research (NWO). In his project, he investigated fundamental physical and chemical interactions driving the formation of self-assembled molecular networks and covalently linked polymer networks on metal surfaces using scanning probe techniques under the supervision of Prof. Meike Stöhr and Prof. Petra Rudolf. The results obtained from this research project are presented in this doctoral thesis.

Since September **2015**, **Anh** has been working as a postdoctoral researcher at ZIAM under the supervision of Prof. Meike Stöhr to work the ongoing research projects. During his postdoctoral research, **Anh** is trying to develop a new protocol to build up graphene nanoribbons on metal surfaces using organic molecules as precursors, which is expected to open up new opportunities for the development of future molecular electronic devices.

