


FAKULTI : MALAYSIA-JAPAN INTERNATIONAL INSTITUTE OF TECHNOLOGY (MJIIT)
TAJUK : PELANTIKAN PANEL PEMERIKSA BAHARU

10.1

BUTIRAN PELAJAR	KETERANGAN PELAJAR	ULASAN DAN TINDAKAN FAKULTI	KELULUSAN																																																
<p>NAMA : HAMID TOLOUE AJILI TOUSI</p> <p>NO K/P @ ISID : 201111M10007</p> <p>NO MATRIK : PJ123007</p> <p>PROGRAM : DOKTOR FALSAFAH</p> <p>JENIS PENGAJIAN : PENYELIDIKAN</p> <p>BENTUK PENDAFTARAN : SEPENUH MASA</p> <p>PENYELIA : PROF. DR. NORIYUKI KUWANO</p> <p>PENYELIA BERSAMA: PROF. DATIN DR. RUBIYAH YUSOF</p> <p>BIL SEM: 12/16</p> <p>STATUS : PEPERIKSAAN</p> <p>MUKASURAT : 1/1</p>	<p>1.1 Notis Hantar Tesis pelajar telah diperakukan pada Mesyuarat JAPSU pada 27 April 2017</p> <p>1.2 Pelantikan adalah seperti berikut :</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Bil</th> <th>Nama Calon Pemeriksa Dalam</th> <th>Perakuan JAPSU</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Prof. Dr. Razali Ismail</td> <td>Dilantik</td> </tr> <tr> <td>2</td> <td>Prof. Dr. Mikio Miyake</td> <td>Gantian</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Bil</th> <th>Nama Calon Pemeriksa Luar</th> <th>Perakuan JAPSU</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Prof. Dr. Samira Bagheri (UM)</td> <td>Dilantik</td> </tr> <tr> <td>2</td> <td>Prof. Madya Dr. Vengadesh A/L Periasamy (UM)</td> <td>Gantian</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Bil</th> <th>Nama Calon Pengerusi</th> <th>Perakuan JAPSU</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Prof. Dr. Osamu Mikami</td> <td>Dilantik</td> </tr> <tr> <td>2</td> <td>Prof. Dr. Kanao Fukuda</td> <td>Gantian</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Bil</th> <th>Nama Calon Pembantu Pengerusi</th> <th>Perakuan JAPSU</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dr. Mohamd Ibrahim bin Shapiai@ Abd Razak</td> <td>Dilantik</td> </tr> </tbody> </table>	Bil	Nama Calon Pemeriksa Dalam	Perakuan JAPSU	1	Prof. Dr. Razali Ismail	Dilantik	2	Prof. Dr. Mikio Miyake	Gantian	Bil	Nama Calon Pemeriksa Luar	Perakuan JAPSU	1	Prof. Dr. Samira Bagheri (UM)	Dilantik	2	Prof. Madya Dr. Vengadesh A/L Periasamy (UM)	Gantian	Bil	Nama Calon Pengerusi	Perakuan JAPSU	1	Prof. Dr. Osamu Mikami	Dilantik	2	Prof. Dr. Kanao Fukuda	Gantian	Bil	Nama Calon Pembantu Pengerusi	Perakuan JAPSU	1	Dr. Mohamd Ibrahim bin Shapiai@ Abd Razak	Dilantik	<p>1.1 Pelajar telah memohon untuk pembaharuan notis pada 27 April 2017.</p> <p>1.2 Pelajar telah menghantar tesis untuk tujuan peperiksaan pada 26 April 2018. Hasil semakan mendapati bahawa pemeriksa dalam yang dilantik telah tamat kontrak.</p> <p>1.3 Mesyuarat JKA Fakulti telah mencalon Pemeriksa Dalam dan Pengerusi yang baru. Calon adalah seperti di bawah:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Bil</th> <th>Nama Calon Pemeriksa Dalam</th> <th>Perakuan Fakulti</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Prof. Ir. Dr. Abdul Manaf bin Hashim</td> <td>Dilantik</td> </tr> <tr> <td>2</td> <td>Prof. Madya Dr. Md Supar Rohani</td> <td>Gantian</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Bil</th> <th>Nama Calon Pengerusi</th> <th>Perakuan Fakulti</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Prof. Dr. Yutaka Asako</td> <td>Dilantik</td> </tr> </tbody> </table> <p>1.4 Justifikasi pelantikan pemeriksa dalam baharu adalah seperti berikut:</p> <p>I. Pemeriksa Dalam yang dilantik iaitu Prof. Dr. Razali Ismail merupakan co-author pelajar.</p> <p>II. Pemeriksa Dalam Gantian, Prof. Dr. Mikio Miyake telah tamat kontrak</p> <p>III. Pengerusi yang dilantik, Prof. Dr. Osamu Mikami telah tamat kontrak.</p>	Bil	Nama Calon Pemeriksa Dalam	Perakuan Fakulti	1	Prof. Ir. Dr. Abdul Manaf bin Hashim	Dilantik	2	Prof. Madya Dr. Md Supar Rohani	Gantian	Bil	Nama Calon Pengerusi	Perakuan Fakulti	1	Prof. Dr. Yutaka Asako	Dilantik	<p style="text-align: center;">Disokong / Tidak disokong</p> <div style="text-align: center;">  PROF. DR. EZLAT CHAN ABDULLAH <small>Deputy Dean (Academic & Student Development)</small> <small>Malaysia-Japan International Institute of Technology (MJIIT)</small> <small>Universiti Teknologi Malaysia Kuala Lumpur</small> <small>Jalan Sultan Yahya Petra, Kuala Lumpur</small> <small>Tel: +(60)3-2203 1211 Fax: +(60)3-2203 12166</small> <small>Email: ezlatc@utm.my</small> </div> <p>Tarikh : <u>15/5/18</u></p> <p style="text-align: center;">Setuju / Tidak Setuju (Ulasan)</p> <hr/> <hr/> <hr/> <p style="text-align: center;">Pengerusi Mesyuarat Jawatankuasa Akademik Pengajian Siswazah Universiti (JAPSU) & Cop Rasmi</p> <p>Tarikh : _____</p>
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Graphene embedded surface plasmon resonance based sensor prediction model

Bahar Meshginqalam¹ · Hamid Toloue² · Mohammad Taghi Ahmadi^{3,4} ·
Arash Sabatyan¹ · Anthony Centeno² · Razali Ismail⁴

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Abstract Exceptional optical and electrical characteristics of graphene based materials attract significant interest of the researchers to develop sensing center of surface plasmon resonance (SPR) based sensors by graphene application. In this research carrier density variant in the form of conductance gradient on graphene based SPR sensor response is modeled. The molecular properties such as electro-negativity, molecular mass, effective group number and effective outer shell factor are engaged. In addition each factor effect in the cumulative carrier variation is explored analytically. The refractive index shift equation based on these factors is defined and related coefficients are proposed. Finally a semi-empirical model for interpretation of changes in SPR curve is suggested and tested for some organic molecules.

Keywords Graphene embedded sensor · SPR · SPR sensor · Sensor prediction model

1 Introduction

Graphene indicates great application potential in many s (Palacios et al. 2010), super capacitor (Tan and Lee 2013 bioscience/biotechnologies (Yin et al. 2014; Zhou et al. 2

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Teknologi Malaysia, Johor Bahru, Malaysia

Internal examiner,
Prof RAZALI,
co-authored dgn
student.
so, kita Lambik
Substitute
Prof miko Miyake

Salam,

I have co-authored a journal paper with the candidate recently. Therefore I am not qualified to be the examiner.

Thanks and regards.

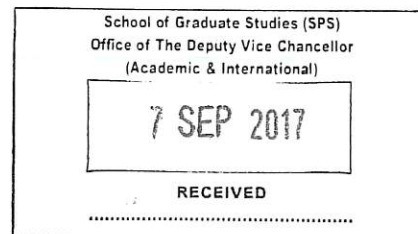
Prof Razali

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08 Mac 2017.

1.4 Tambahan lagi, disebabkan skop penyelidikan pelajar telah berubah, oleh itu, penyelia meminta penukaran pemeriksa dalam dan pemeriksa luar.

