

**INSTITUTE OF NANO OPTOELECTRONICS**

**RESEARCH AND TECHNOLOGY (INOR)**

UNIVERSITI SAINS MALAYSIA (USM)

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**CHARACTERIZATION ANALYSIS REQUEST FORM**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Requestor Name | : |  | | | | | | | | | | | | | | | | |
|  |  |  | | | |  | |  | |  | | | | |  | |  |  |
| Contact No. | : |  | | | | Email | | : | |  | | | | | Date | | : |  |
|  |  |  | | | |  | |  | |  | | | | |  | |  |  |
| School/Company | : |  | | | | | | | | | | | | | | | | |
|  |  |  |  | | |  |  | | | | |  |  | | | | | |
| Category | : |  | INOR Staff/Student | | |  | Other Dept. | | | | : |  | | | | | | |
|  |  |  |  | | |  |  | | | | |  |  | | | | | |
| Sample Type | : |  | Powder |  | Thin Film | | | |  | | | | No. of Sample | : | |  | | |
|  |  |  |  |  |  | | | |  | | | |  |  | |  | | |
| Materials | : |  | | | | | | | | | | | | | | | | |
|  |  |  |  |  |  | | | |  | | | |  |  | |  | | |
| Substrate | : |  | | | | | | | | | | | | | | | | |

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| ***Please Tick Appropriate Box*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | **EQUIPMENT** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | **Photoluminescence [PL]** | | | | | | | | | | | | | | | | | | | | | | |  |  | **Probe Station** *with Micro-Positioner* | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  | | | | | | | | | | |
|  | Spectrum range: | | | | | | | |  | | | nm | | | to | |  | | | nm | | | |  |  |  | CV | | | |  | IV | | |  | Others |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |  |  |  | | | | | | | | | |
|  |  | | | | | | |  | | | | | | | | | | | | | | | |  |  |  | With Sample Prep | | | | | |  | Without Sample Prep | | |
|  |  | | | | | | | | |  | | | | | | | | | | | | | |  |  |  |  | | | | | | | | | |
|  | **Electroluminescence [EL]** | | | | | | | | | | | | | | | | | | | | | | |  |  |  | ***Contact:*** | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  | | | | | | | | | | |
|  |  | | **I** |  | | | range | | | |  | | | Fix V= | | | |  | | | limit | | |  |  |  |  | Ohmic | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  | | | | | | | | | |
|  |  | | **V** |  | | | range | | | |  | | | Fix I = | | | |  | | | | limit | |  |  |  |  | Schottky | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  | Metal | | | **:** |  | | | | | |
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|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  | Thickness | | | **:** |  | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  | | | | | | | | | |
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| **Other information about the sample** *(e.g. sample stability/temperature)* **:** | |
|  | |
|  |  |
| **Requestor Signature:** | **Supervisor Approval:**  *(if Students, need to get the approval from Supervisor)* |