Scholarships and Financial support

| Monthly net income of PhD scholarship (max 36 months) | € 1250  
(In case of a change of the welfare rates during the three-year period, the amount could be slightly modified) |
| Increase in the scholarship for stays abroad | € 566.36 per month, for up to 6 months |
| Number of scholarships | 1 |
| Beginning of PhD | 01/02/2020 |
| Deadline for application | 29/11/2019 |

Context of the research activity

Motivations and objectives of the research in this field
Tele-rehabilitation addresses the need for home care in chronic pathologies mainly in aged patients, who benefit of continuing rehabilitation after discharge from health care centers.

Methods and techniques that will be developed and used to carry out the research
Pattern recognition in long recordings from wearable or domotic sensors. Both classical signal processing and artificial intelligence methods will be tested.

Educational objectives
Provide a solid background in signal processing and also in the whole pipeline of health-monitoring networks.

Job opportunities
Clinical engineering in rehabilitation centres and hospitals with home-care facilities. Designer in biomedical instrumentation.

Composition of the research group
Giuseppe Baselli, Anna Maria Bianchi, Manuela Galli

Names of the research directors
Giuseppe Baselli
**Contacts**

<table>
<thead>
<tr>
<th><a href="mailto:giuseppe.baselli@polimi.it">giuseppe.baselli@polimi.it</a></th>
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<td>mobile 335 6744172</td>
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**Additional support**

**Housing:**
financial aid per PhD student per year (gross amount)

**Additional information:** educational activity, teaching assistantship, computer availability, desk availability, any other informations

**IMPORTANTE** – Nel bando deve comparire che la borsa è su fondi “Regione Lombardia SIDER^B ID 232549”
Nome esteso del progetto “SIDERA^B – Sistema Integrato Domiciliare e Riabilitazione Assistita al Benessere”
ATTENZIONE – Il fondo SIDER^B è in via di erogazione. Nel frattempo viene messo a garanzia il fondo residuo del progetto EC ShockOmics