POSITION DESCRIPTION
General Positions
(In addition to the Position Classification Standards)

Position Title:	ANFF Fabrication Technician	Level:	6/7
Faculty/Division:	Australian Institute for Innovative Materials		
Department/Location:	Intelligent Polymer Research Institute		

Primary Purpose of the Position:

The person will be required work as a part of a team and provide technical support for gel fibre spinning, knitting and braiding and advanced printing and coating systems for advanced materials produced within IPRI and by other groups around Australia. Ultimately this will lead to the fabrication and testing of small, lab-scale models. The applicant will work closely with collaborators on the development of appropriate hardware and to provide solutions for application areas across a number of sectors including energy and medical bionics. The person will also be in direct liaison with ANFF customers/clients.

Position Environment:

This is a position within the UOW Intelligent Polymer Research Institute (IPRI) node of the Australian National Fabrication Facility-Materials Node. The Materials Node is based at the state-of-the-art Australian Institute for Innovative Materials (AIIM and AIIM P&D) at the University of Wollongong's Innovation Campus and the University of Newcastle. It combines the skills, facilities and expertise of the University of Wollongong's Intelligent Polymer Research Institute (IPRI) and the University of Newcastle's Centre for Organic Electronics (COE). Between them, these three partners offer extensive and unique capabilities in the design, development and fabrication of nanostructured electronic materials and devices for researchers and industry.

Major Accountabilities/Responsibilities:

Responsibilities		Outcome	Office Use Only
1.	Development of suitable fabrication protocols for fibre-spinning, knitting and braiding and advanced coating tools (spray coating, Inkjet printing and reel-2-reel coating systems).	Verified, reproducible, accurate and appropriate protocols.	
2.	Method development and maintenance of ANFF funded laboratory equipment; highlighted above	Verified, reproducible, accurate and appropriate protocols.	
3.	Direct liaison with ANFF clients	To plan and deliver outcomes in a timely, accurate manner to the satisfaction of clients.	
4.	Assistance with project management and administration, including preparation of quarterly reports, assisting with workshops and preparation of newsletter items.	To ensure proper functioning of the project.	
5.	Support for ANFF clients, academic : Assist in preparing laboratory demonstrations	Laboratory demonstrations, ensuring that research and projects in the area of material fabrication are properly supported.	
6.	Support for student research, which may include co-supervising	Students co-supervised	

	students		
7.	Perform other duties as required	Duties performed	
8.	Observe principles and practices of Equal Employment Opportunity	To ensure fair treatment in the workplace	
9.	Have WH&S responsibilities, accountabilities and authorities as outlined in the http://staff.uow.edu.au/ohs/commitment/responsibilities/ document	To ensure a safe working environment for self & others.	

Inherent Requirements:

This position description outlines the major accountabilities/responsibilities and the selection criteria against which you will be assessed as suitable for the position. As such there will be specific job requirements that we refer to as Inherent Requirements.

Inherent Requirements refer to your ability to:

- Perform the essential duties and functional requirements of the job;
- Meet the productivity and quality requirements of the position;
- Work effectively in the team or other type of work organisation concerned; and
- Do the job without undue risk to your own or others health, safety and welfare at work.

If you have any injuries, illness, disorder, impairment, condition or incapacity that may affect your ability to perform the inherent requirements of the position, we encourage you to discuss this with the University to assist in the process of identifying reasonable adjustments to enable you to perform the duties of the position. The University wants to place you in the best situation to use your skills effectively in the position you are applying for at the University.

Reporting Relationships:

Position Reports to:	Professor Gordon Wallace
The position supervises the following positions:	Nil.
Other Key Contacts:	Associate Professor Peter Innis

Key Relationships:

Contact/Organisation:	Purpose & Frequency of contact
Prof Gordon Wallace	Monthly technical meeting
Associate Prof Peter Innis	Supervision and technical meetings as required

Key Challenges:

1. Supporting research staff and student outcomes to provide internationally competitive outcomes.
2. Establishment and implementation of material fabrication protocols in Wollongong

Selection Criteria - Knowledge & Skills:

Essential:

- Ability to work both independently and in a team environment.
- Demonstrate well developed written, oral communication and interpersonal skills.
- Demonstrated knowledge of OH&S regulations and procedures.
- Well-developed organisational and problem solving skills.
- Demonstrated ability to work independently or as a team member.

- Ability to work under pressure to meet deadlines provided by internal / external clients.
- Demonstrated capacity to exercise a degree of independence and judgment in the performance of work activities.

Desirable

- Knowledge of conducting polymers.
- Knowledge of biodegradable polymers.
- Knowledge of fibre spinning.
- Knowledge of knitting and braiding.
- Knowledge of processing methodologies for polymers and catings.

Selection Criteria - Education & Experience:

Essential:

- Degree or PhD in relevant field such as in chemistry, materials science/engineering.
- Demonstrated experience in multi-disciplinary research.
- Experience in prototype fabrication or equivalent.
- Experience with materials chemistry.
-

Desirable:

- Knowledge of polymer chemistry.
- Demonstrated capacity to undertake collaborative research.
- Demonstrated experience in providing exceptional customer service.
- Demonstrated experience with fibre spinning.
- Demonstrated experience with organic thin film coating (spray, inkjet and other printing methodologies).

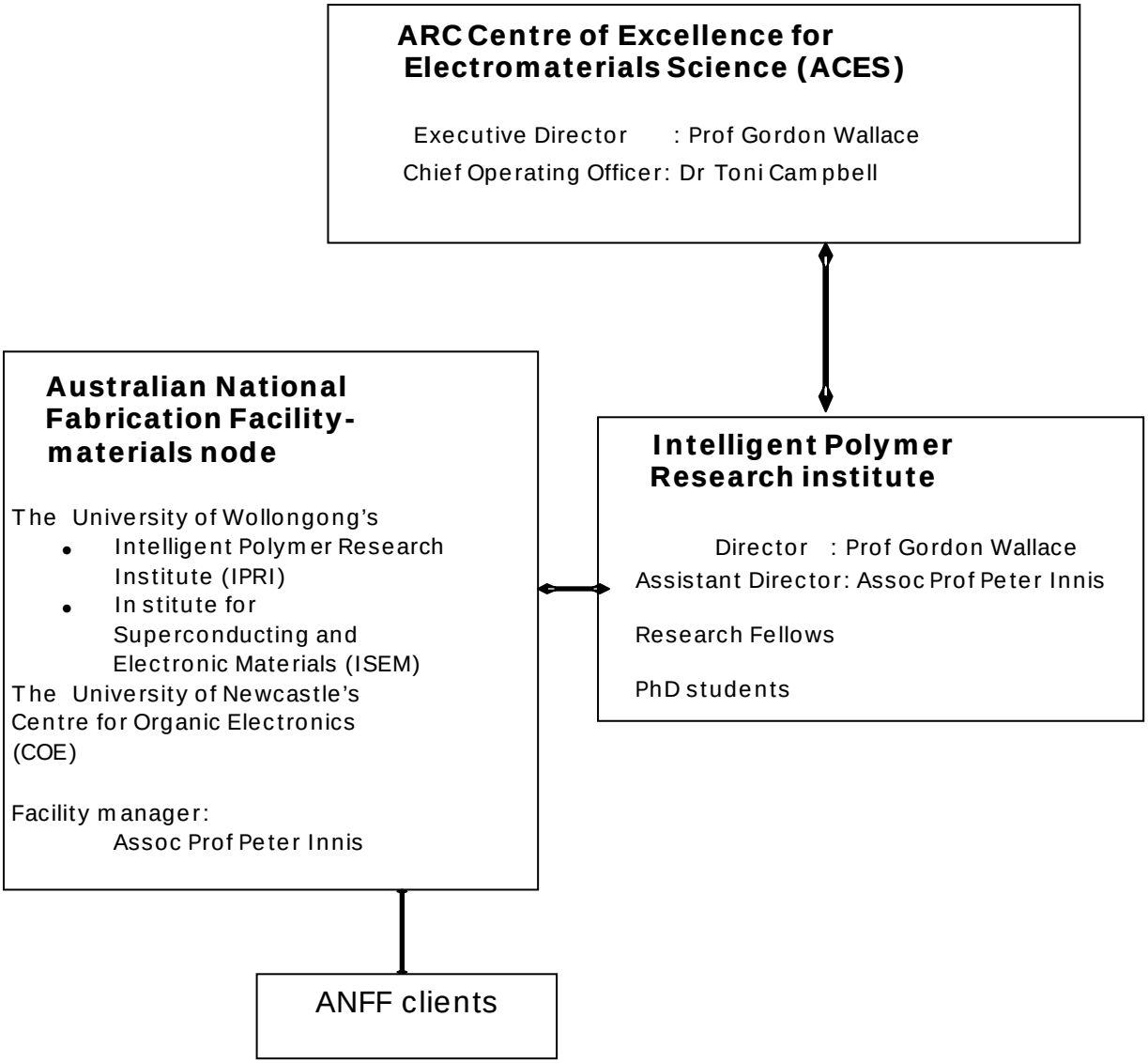
Personal Attributes:

- Work independently without constant supervision
- Enthusiasm for supporting research and team work

Special Job Requirements:

- OH&S inductions to workplace and laboratory procedures.

Organisational Chart:



Approval:

Approved by Head of Unit: _____

Date: _____

Approved by Human Resources: _____

Date: _____