

日期：107年4月17日
單位：研究發展處

速別：普通件

密等及解密條件或保密期限：

計畫業務組 擬辦：

- 一、文陳閱後，公告於電子公佈欄、本組、本處及本校最新消息，並e-mail副知全校教師知照。
- 二、計畫主持人請於校內申請截止日107年6月27日上午10時前於科技部系統完成線上申請作業，並立即填送「國立中興大學申請科技部研究計畫計畫主持人聲明書」至申請單位(系、所、中心)。
- 三、申請單位須於107年6月28日上午10前至科技部系統列印申請名冊(樣張)1份經單位主管核章後，併同「國立中興大學申請科技部研究計畫申請單位切結書」送至研發處計畫業務組，逾期恕不受理。
- 四、另提醒申請者於提出計畫申請案前，務必更新或確認個人資料（職稱請以人事室核發之正式職稱為準）。
- 五、文存。

會辦單位：

第二層決行		
承辦單位	會辦單位	決行
行政組 張譯云 0417 1657		
副教授 李思禹 0418 兼組長 1456		代為決行
		教授 兼 洪慧芝 0418 研究發展處 1456

科技部 函

機關地址：台北市和平東路二段106號
聯絡人：胡秀娟 研究員
電話：02-2737-7560
傳真：02-2737-7607
電子信箱：jenhu@most.gov.tw

受文者：國立中興大學

發文日期：中華民國107年4月17日

發文字號：科部科字第1070025694號

速別：普通件

密等及解密條件或保密期限：

附件：如文(附件1 A09550000Q0000000_107U0P004964_107D2008961-01.docx、附件2 A09550000Q0000000_107U0P004964_107D2008962-01.doc、附件3 A09550000Q0000000_107U0P004964_107D2008963-01.doc)

主旨：本部與加拿大國家研究院(National Research Council，以下簡稱NRC)2019年雙邊合作研究計畫，自即日起接受申請，請於本(107)年7月2日(星期一)前函送本部，逾期不予受理，請查照轉知。

說明：

- 一、本案採共同補助計畫方式鼓勵臺加兩國團隊進行優質研究，凡符合設定之優先領域相關主題可提出。
- 二、申請人須為刻正執行本部補助專題研究計畫(研究類)主持人，並於該計畫項下擴充加值為國際合作計畫。
- 三、擴充加值國合經費包括國外差旅費、業務費。
- 四、本計畫之執行期程自108年1月1日開始，期限為3年期，須與加方共同研究計畫之執行期限相同。
- 五、本公告計畫經費係專款專用，未獲補助案件恕不受理申覆。
- 六、本案徵求公告詳如附件，我方與加方合作者各自依本部及NRC之申辦規定，於線上提送完整計畫書。
- 七、本案聯絡人：



(一)相關計畫內容疑問，請洽本部科教發展及國際合作
司，胡秀娟研究員，電話：(02)2737-7560。

(二)線上作業系統操作問題，請洽本部資訊系統服務專
線，電話：0800-212-058，(02)2737-7590、7591、7592。

正本：專題研究計畫受補助單位（共305單位）

副本：本部綜合規劃司、科教國合司、駐加拿大代表處科技組



裝



部長陳良基

訂

線



計畫徵求

公開徵求 2019~2021 年臺加(MOST-NRC)雙邊共同合作研究計畫

本部與加拿大國家研究院(National Research Council, NRC)在雙邊科技合作瞭解備忘錄架構下，已議定推動雙邊共同合作研究計畫，本期2019~2021 年度合作計畫主題如下：

1. Hardware building blocks for IoT:

Autonomous power supply for devices harvesting energy from different sources in surrounding environment combined with super capacitors; low power electronics/circuits for IoTs; sensors for medical devices; image based sensing to support medical devices; textiles and printable electronics.

2. Medical application sector:

Bioinformatics for imaging; neuromorphic computing, big data, data fusion, systems of systems; brain imaging mapping; neural network computing, edge computing + video processing for elderly care; biomarker discovery, drug discovery/repurposing – genomics + clinical data.

請申請者依本申請須知所述方式，向本部申請「雙邊協議型擴充增值(add-on)國際合作計畫」經費。

附加檔案

公開徵求 2019-2021 臺加(MOST-NRC)雙邊共同合作研究計畫申請須知
NRC-MOST and ITRI Cooperative Research Projects Joint Call for Proposals

公開徵求 2019~2021 年臺加(MOST-NRC)雙邊共同合作研究計畫 科技部補助「擴充加值型(add-on)國際合作研究計畫」申請須知

2018.04.16

本部與加拿大國家研究院(National Research Council, NRC)在雙邊科技合作瞭解備忘錄架構下，已議定推動雙邊共同合作研究計畫，本期 2019~2021 年度合作計畫主題如下：

1. Hardware building blocks for IoT:

Autonomous power supply for devices harvesting energy from different sources in surrounding environment combined with super capacitors; low power electronics/circuits for IoTs; sensors for medical devices; image based sensing to support medical devices; textiles and printable electronics.

2. Medical application sector:

Bioinformatics for imaging; neuromorphic computing, big data, data fusion, systems of systems; brain imaging mapping; neural network computing, edge computing + video processing for elderly care; biomarker discovery, drug discovery/repurposing – genomics + clinical data.

本項計畫徵求須由台灣及加拿大 NRC 研究人員組成研究團隊，針對共同研究主題，分別向本部及加拿大 NRC 提出計畫申請書，經由本部與 NRC 獨立審查與共同審議通過後，分別補助己國所需研究經費。

本次徵求之 2019 年臺加雙邊合作專題研究計畫採單階段作業。臺加雙邊申請規範請詳附件檔案「NRC-MOST and ITRI Cooperative Research Projects Joint Call for Proposals」臺方申請人應依本申請須知所述方式，向本部申請「雙邊協議型擴充加值(add-on)國際合作計畫」經費。(有關工研院之計畫經費由工研院負擔，工研院之計畫申請循工研院院內管道辦理。)

本部補助「擴充加值型(add-on)國際合作研究計畫」申請作業說明：

一、我方計畫主持人資格：

(一)以刻正執行本部補助專題研究計畫主持人為限(以下簡稱「母計畫」)。

(二)前項刻正執行之專題研究計畫(以下簡稱「母計畫」)應為研究類計畫(不含規劃推動及產學合作等計畫)，並與擬申請國際合作計畫之研究

內容相關；於申請時應同時上傳「母計畫」原申請書合併檔及經費核定清單。

二、作業時間：

- (一) 加方NRC 人員及我方申請人須於加拿大時間2018年6月30日前以電郵寄送雙方共同擬撰之英文申請書至NRC及本部與工研院國合窗口。
- (二) 我方申請人於本部專題計畫系統提送申請截止日期：2018年7月2日。
- (三) 審查結果：預定於2018年12月底前確定。

三、計畫執行日期：2019年1月1日~2021年12月31日（本項臺加合作計畫雙方期限應相同）。

四、補助項目及額度

- (一) 本部補助「擴充增值」經費項目包括：國際合作主持費(主動增核)、國際合作所需業務費、赴國外差旅費等，不含管理費。
- (二) 申請人與加方 NRC 研究人員研擬共同計畫書時，請連同刻正執行之「研究案」母計畫經費併計入此次「擴充增值國合經費」後列後總數。

五、申請作業方式

- (一) 我方計畫主持人請依循本部專題研究計畫之申請程序，於線上系統填列國際合作研究計畫申請書。
- (二) 線上作業注意事項如下：
 1. 至本部網站(<https://www.most.gov.tw/ch/academic>) 首頁右方「學術研發服務網登入」處，身分選擇「研究人員(含學生)」，輸入申請人之帳號(ID)及密碼(Password)後進入「學術研發服務網」。
 2. 在左方「功能選單」點選學術獎補助申辦及查詢後，進入下一畫面。
 3. 在「申辦項目」內點選專題計畫工作頁後，再點選「專題研究計畫(含構想書、申覆、產學、博後著作獎、研究學者)」項目，進入「專題研究計畫線上申請系統」。
 4. 在專題計畫線上申請系統上方點選新增申請案，在計畫類別「專題類—隨到隨審計畫」下選擇「雙邊協議型擴充增值(add-on)國際合作計畫」進入，開始新增計畫，並依系統要求填列表格及上傳相關資料。
 5. 進入表格製作時，「計畫歸屬」請依計畫研究主題及所屬學門勾選對應之學術司（勿直接選”科教國合同”）。
 6. 申請人填列表 IM01 之「合作國家」請選「與單一國家合作」，「國別」請選填「403 加拿大」，「外國合作計畫經費來源」為本部雙/多邊協議機構，並選填「加拿大國家研究院(NRC)」。
 7. 申請表 IM04 屬檔案附錄之上傳功能鍵，請將本項申請案之共用英文申請書(內容依英文規範 Structure of the Proposals 所述，含加計畫主持人英文履歷及著作目錄等資料)合併為單一 PDF 檔案後上傳至系

統。未上傳者視為申請資料不全。

8. 請依系統指示上傳申請人執行中專題計畫之原「申請書合併檔」及「經費核定清單」，未上傳者視為申請資料不全。

(三) 計畫申請案須經主持人任職機構於系統中彙整後送出，依本部「專題計畫線上申請彙整」作業系統製作及列印申請名冊（由系統自動產生，並按計畫歸屬司別列印）一式二份，於2018年7月2日前函送本部。

六、審查標準與方式

(一) 參考標準：合作研究團隊之能力、計畫的創新性、合作之必要性與增值效果、雙方研究團隊間的互補性(學術貢獻的對等性)、專業知識的相互交換、博士生或年輕科學家的參與等。

(二) 本項合作計畫須經臺加雙方先進行獨立學術審查，再由雙方舉辦複審會議共同遴選，通過者始予以補助。補助件數(預計3-5件)依審查結果而定。

七、計畫經費撥付、結報及報告繳交：依本部專題研究計畫作業要點規定執行。

八、注意事項

(一) 本案通過之「擴充增值型國合研究計畫」為申請人執行中母計畫之擴充增值，追加國際合作經費，可不受本部一般專題計畫補助件數之限制。

(二) 雙方計畫主持人在提出完整計畫書前，應經過詳細溝通及討論，合作內容應經雙方同意。我方計畫主持人提送申請書時，表 CM03 及表 IM02 得以中文或英文撰寫。

(三) 臺加雙方所需之合作研究經費，由本部及加拿大 NRC 分別補助，兩方經費需求不須相等，但建議不宜差距過大，我方計畫主持人提出之專題計畫申請書其經費編列(表 CM05)僅為我方團隊所需；請勿編列加方來臺接待費用。

(四) 申請計畫含以下任一情況之申請案恕不受理：

1. 未提出申請人執行中專題研究計畫相關證明文件(申請書及核定清單)
2. 只有單方提出計畫申請書；
3. 超過規定之申請截止日；
4. 申請資料不全(如：未包括「國際合作研究計畫表(IM01-IM04)」或是臺、加雙方所提計畫內容基本要項不一致(如：執行期限、彼方合作主持人姓名、英文計畫名稱等不相同)。

(五) 本計畫之研究成果智慧財產權比照本部補助專題計畫之研發成果歸屬計畫執行單位。若有結合臺加雙方共同產出之研究成果，其智慧財產權得個案協商處理方式，建議合作倘涉有相關情事，雙方主持人/共同主持人應事先議定。

(六) 本項臺加合作研究計畫歡迎工業技術研究院的研究人員參與，有關



工研院之計畫經費由工研院負擔。

九、聯絡人

臺方

(科技部)

科教發展與國際合作司 胡秀娟

Department of International Cooperation & Science Education

Ms. Jennifer Hu

Tel:+886-2-2737 7560 ; Fax : +886-2-2737 7607

E-mail: jenhu@most.gov.tw

工研院)

Dr. Tzong-Tsong Miao 苗宗棕 副組長

Deputy Project Director

Industrial Promotion Division

ITRI International Center

Industrial Technology Research Institute

+886-3-5915955(O)

ttmiao@itri.org.tw

www.itri.org.tw

加方 (NRC)

Ms. Lorena Maciel

1200 Montreal Road, M-50 BuildingRoom 317B

Ottawa, Ontario

Canada K1A0R6

Tel: +1 (613) 993-0987

Fax: +1 (613) 952-9696

E-mail: Lorena.Maciel@nrc-cnrc.gc.ca



NRC-MOST AND ITRI COOPERATIVE RESEARCH PROJECTS JOINT CALL FOR PROPOSALS

DEADLINE: 30 June, 2018

Introduction

The Memorandum of Understanding between the National Research Council of Canada (NRC) and the Ministry of Science and Technology of Taiwan (MOST) supports a Collaborative Research Program (CRP) between researchers of NRC and faculty members and researchers in universities, academic institutions, and non-profit research institutions funded by MOST. NRC and MOST steering committee members agreed to invite researchers from the Industrial Technology Research Institute (ITRI) to participate in CRP. MOST and NRC will bear the costs of participating in cooperative activities. ITRI will support the participation of its researchers in approved projects.

Joint applications for financial support are invited from eligible NRC, MOST and ITRI researchers. Cooperative Research Project (CRP) proposals must reach the coordinating team contact at the participating organizations no later than **30 of June 2018 at midnight**. Please refer to the contact information at the end of this document. Applicants are asked to submit their CRP package as a joint collaboration proposal. The content of the CRP package must be jointly prepared by the partners and is further described below.



Eligibility

1. Projects eligible for support are those aiming at advancing research and innovation to achieve world-class scientific and technical results, leading toward new innovative technologies.
2. Projects will have an anticipated life span of three years but with an approval review on the second year based on outcomes obtained by the second year.
3. Principal Investigators are the senior researchers, from the participating organizations, designated as the project leaders and accountable for the funds received throughout the duration of the project under the agreement.
4. Bilateral (NRC-MOST or NRC-ITRI) cooperation and tri-partite (NRC-MOST-ITRI) projects with the potential for future commercialization will be considered.

Proposal Submission



One electronic version of the CRP package per project should be submitted to the coordinating team contact at the participating organizations by the **deadline of 30 June 2018 at midnight**. Each submission received by the deadline will be officially confirmed, by email, as having been received.

Decisions for funding the successful CRP will be made by the NRC-MOST-ITRI Steering Committee and will be communicated to applicants as soon as possible. Funding will be made available to successful applicants after the signing of contractual agreements to be negotiated between the employing institutions of the Principal Investigators. To allow time for these negotiations, the NRC delivery of funds for the first year operation will be 1 April 2019.

Subject Areas

Applications to the fund are welcome in the areas of:

1. **Hardware building blocks for IoT:**
Autonomous power supply for devices harvesting energy from different sources in surrounding environment combined with super capacitors; low power electronics/circuits; sensors for medical devices; image based sensing to support medical devices; textiles and printable electronics.
2. **Medical application sector:**
Bioinformatics for imaging; neuromorphic computing, big data, data fusion, systems of systems; brain imaging mapping; Neural network computing, edge computing + video processing for elderly care; biomarker discovery, drug discovery/repurposing – genomics + clinical data.

Structure of the Proposal

Preference will be given to projects that strengthen links to other R&D partners (both public and private sector) in both countries.

Structure of the Proposal

1. Executive summary (one page)
2. State of the art (one page)
3. Project description (objectives, goals, methods, also includes:
 - a. explaining the distribution of tasks between the partners, and
 - b. giving reasons for the cooperation, approx. 6 pages)
4. Two pages per partner on the work plan and time schedule
5. CV including publications, patents etc. for each Principal Investigator, plus brief CVs for each major collaborator
6. Benefits for each economy and how the proposal is supportive of longer term Taiwanese-Canadian cooperation (one page)
7. Planned dissemination of results (up to one page)
8. Full contact information (mailing address, telephone numbers and email address)



9. Names and contact information for six (6) suggested peer reviewers that have not previously collaborated with any of the Principal Investigators

Evaluation Criteria and Procedures

Proposals will be evaluated on the basis of scientific merit according to the following criteria:

1. Quality of Research

- quality, clarity, significance and originality of proposed research in comparison to the international standard
- track record of the competencies of the principal investigators
- reasonable possibility of success

2. Potential for Collaboration

- synergy and added value
- potential for expanded collaboration
- potential for longer term collaboration
- leverage of external funding

3. Potential Benefits

- scientific advances and breakthroughs
- capacity building (institute/institution strengthening)
- dissemination of results
- long term impact on S&T cooperation
- Potential for commercialization



Project Agreements

The signing of an implementing agreement between the participating organizations prior to receiving funding for an accepted project is mandatory. Such agreements will include provisions regarding intellectual property rights, confidentiality and publication rights in accordance with the requirements for scientific and financial reporting of the employing organizations of the successful applicants. Signed copies of these agreements must be submitted to the contacts before funds can be disbursed. A guiding template will be available upon request to help in the preparation of the agreement.

The Business Development Officer or other responsible individual who will negotiate the appropriate intellectual property and other terms for the specific project must be identified in the proposal.

Funding

For selected projects, funding will be allocated for the first year; second and third year funding will be contingent upon a satisfactory review of the NRC annual report.



The funding may include the following items:

- Cost of human resources, i.e. resources specifically assigned to researchers in the project who are not regular members of the staff, e.g. graduate students, post-doctoral fellows, or other research assistants.
- Consumable materials and supplies
- Reasonable travel and subsistence expenses
- Support for small items of essential equipment

NRC Annual Report

NRC annual progress reports must be submitted toward the end of the first and second years. Second and third year funding will be contingent upon a satisfactory review of the annual report.

Progress Report

NRC-MOST-ITRI joint progress reports will be requested during the 1st and 2nd years of the collaboration.

Progress reports must consist of two parts:

- (a) **joint** report on scientific progress; and
- (b) financial summary from *each* participating research group.

Joint Report on Scientific Progress

The joint report of scientific progress should be brief (3 to 4 pages). Principal Investigators will be required to *strictly limit* their report to the research proposed and conducted through their collaboration within the joint research project. The following headings will be required:

1. Summary of objectives
2. Progress and achievements
3. Future research planned
4. Exchanges between the collaborators
5. Bilateral benefits
6. Obstacle(s) and review of risk assessment
7. Publications and conference presentations

It is vital that, in their progress report, Principal Investigators provide compelling reasons for continued support and evidence of the following aspects:

- Scientific and/or technological progress
- Industrial linkages, new or strengthened, where applicable
- Defined endpoint(s)

- Exchanges between the collaborators
- Bilateral benefits, unique to the collaboration

Financial Summary

Each Principal Investigator will be required to provide a summary of expenses towards the CRP by his/her group for each whole or partial fiscal year. These should cover expenses for human resources (% time for students, researchers etc.) and operations (minor equipment, rentals, consumables, travel etc.).

Coordinating Team Contacts:

MOST

Ms. Jennifer Hu
 Ministry of Science and Technology
 Department of International Cooperation
 106 Hopping East Road, Section 2
 Taipei, Taiwan
 Tel: (02) 2737-7560
 E-mail: jenhu@MOST.gov.tw

ITRI

Dr. Tzong-Tsong Miau
 Deputy Project Director
 Industrial Promotion Division
 ITRI International Center
 Industrial Technology Research Institute
 +886-3-5915955(O)
 ttmiau@itri.org.tw
 www.itri.org.tw

NRC

Ms. Lorena Maciel
 1200 Montreal Road, M-50 Building Room 317B
 Ottawa, Ontario
 Canada K1A0R6
 Tel: +1 (613) 993-0987
 Fax: +1 (613) 952-9696
 E-mail: Lorena.Maciel@nrc-cnrc.gc.ca



NRC-MOST-ITRI COOPERATION PROPOSAL FOR A JOINT COLLABORATIVE RESEARCH PROJECT

1. PROPOSED PROJECT

Project

Title:

Participants:

- NRC institute(s):
- MOST institution(s):
- ITRI institute(s):

Project leaders:

- For NRC:
- For MOST:
- For ITRI:

Business Development Officer/responsible person who will engage in negotiating the terms of the project agreement:

- *For NRC:*.....
- *For MOST:*.....
- *For ITRI:*.....

Duration: 3 years

Subject:

Suggestions for names, email and addresses of minimum 6 possible reviewers:

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....

Initials: _____



2. EXECUTIVE SUMMARY



Initials: _____

3. OVERALL PROJECT BUDGET for NRC, MOST and ITRI

Including In-Kind Contributions

	NRC	MOST	ITRI
Human resources ¹	\$*****	\$*****	\$*****
	\$*****	\$*****	\$*****
	\$*****	\$*****	\$*****
	\$*****	\$*****	\$*****
Operations (please give details):			
Chemicals/Materials	\$*****	\$*****	\$*****
Minor equipment	\$*****	\$*****	\$*****
Travel	\$*****	\$*****	\$*****
Accommodation & Subsistence (long term)	\$*****	\$*****	\$*****
Other (specify, e.g. costs of the use of major equipment)	\$*****	\$*****	\$*****
TOTAL (overall project)	\$*****	\$*****	\$*****

¹ includes average salary plus overhead costs

Initials: _____

DONE at, thisday of, 2018.

National Research Council of Canada

**Ministry of Science and Technology
Taiwan**

<hr/> Signature	<hr/> Signature
<hr/> Name of Principal Investigator at NRC (printed)	<hr/> Name of Principal Investigator at MOSTMOST(university) (printed)

Industrial Technology Research Institute

<hr/> Signature
<hr/> Name of Principal Investigator at ITRI (printed)



National Research Council of Canada

**Ministry of Science and
Technology Taiwan**

_____ Signature	_____ Signature
_____ Name of Director General at NRC institute (printed)	_____ Name of Director at MOST (university) (printed)
_____ Name and address of NRC Institute	_____ Name and address of MOST (university)
_____ Date	_____ Date



Industrial Technology Research Institute

_____ Signature
_____ Name of Director General at ITRI institute (printed)

Name and address of ITRI Institute

Date



Table for NRC / Tableau pour CNRC

Project Title/Titre du projet:

Project (x years) / Projet (x années):

Participants NRC/CNRC:

MOST :

ITRI :

		Total Costs / Coûts totaux			Real Incremental Costs / Coûts marginaux	Comments / Commentaires
		Year 1 Année 1	Year 2 Année 2	Year 3 Année 3		
Human Resources / Ressources humaines	Senior Research Officers / Agent principal de recherche					
	Research Associate / Attaché de recherche					
Use of major equipment / Utilisation d'équipement majeur	Details / Détails					
Operations / Activités de fonctionnement	Chemicals & Materials / Produits chimiques et matériaux nécessaires					
	Minor Equipment / Petit matériel					
	Travel / Frais de déplacement					
	Other / Autre					
Total						

Initials: _____

Table for MOST/ Tableau pour MOSTMOST

Project Title/Titre du projet:

Project (x years) / Projet (x années):

Participants : MOST :

NRC/CNRC:

ITRI :

		Total Costs / Coûts totaux			Real Incremental Costs / Coûts marginaux	Comments / Commentaires
		Year 1 Année 1	Year 2 Année 2	Year 3 Année 3		
Human Resources / Ressources humaines	Senior Research Officers / Agent principal de recherche					
	Research Associate / Attaché de recherche					
Use of major equipment / Utilisation d'équipement majeur	Details / Détails					
Operations / Activités de fonctionnement	Chemicals & Materials / Produits chimiques et matériaux nécessaires					
	Minor Equipment / Petit matériel					
	Travel / Frais de déplacement					
	Other / Autre					
Total						

Initials: _____

Table for ITRI / Tableau pour ITRI

Project Title/Titre du projet:

Project (x years) / Projet (x années):

Participants : ITRI :

MOST :

NRC/CNRC:

		Total Costs / Coûts totaux			Real Incremental Costs / Coûts marginaux	Comments / Commentaires
		Year 1 Année 1	Year 2 Année 2	Year 3 Année 3		
Human Resources / Ressources humaines	Senior Research Officers / Agent principal de recherche					
	Research Associate / Attaché de recherche					
Use of major equipment / Utilisation d'équipement majeur	Details / Détails					
Operations / Activités de fonctionnement	Chemicals & Materials / Produits chimiques et matériaux nécessaires					
	Minor Equipment / Petit matériel					
	Travel / Frais de déplacement					
	Other / Autre					
Total						

Initials: _____

Contacts at the NRC, MOST and ITRI Offices:**NRC**

Ms. Lorena Maciel
1200 Montreal Road, M-50 Building Room 317B
Ottawa, Ontario
Canada K1A0R6
Tel: +1 (613) 993-0987
Fax: +1 (613) 952-9696
E-mail: Lorena.Maciel @nrc-cnrc.gc.ca

MOST

Ms. Jennifer Hu
National Science Council
Department of International Cooperation
106 Heping East Road, Section 2
Taipei, Taiwan
Tel: (02) 2737-7560
E-mail: jenhu@MOST.gov.tw

**ITRI**

Dr. Tzong-Tsong Miao
Deputy Project Director
Industrial Promotion Division
ITRI International Center
Industrial Technology Research Institute
+886-3-5915955(O)
ttmiao@itri.org.tw
www.itri.org.tw