行政院國家科學委員會個人資料表使用說明

一、適用範圍：

凡申請本會補助之下列人員均需檢附「個人資料表」（正本或影本皆可）：

1.「補助專題研究計畫作業要點」之主持人、共同主持人。（各四份）
2.「補助科學與技術人員國外短期研究作業要點」之申請人。（共四份）
3.「補助延攬科技人才作業要點」之申請人。（共四份）
4.「補助延聘博士後研究人才作業要點」之申請人。（共四份）
5.「補助國內專家學者出席國際學術會議處理要點」之申請人。（共一份）

二、資料項目：

1.表 C301：

(1)基本資料：包括「身分證號碼」、「中、英文姓名」等資料。若無身分證號碼時，請將西元出生年月日八碼再加英文姓氏(Last Name)前二碼，組成十碼後填入身分證號碼欄位，例如「YYYYMMDD□□」。

(2)主要學歷：以獲有學位之學歷為主，或個人之最高學歷。

(3)現職及經歷：限與研究相關之編制內專任職務。

(4)專長：請自行填寫與研究方向有關之專長學科。

2.表 C302 論文著述：指個人最近五年內發表之學術性論文或著作，包括：期刊論文、專書及專書論文、研討會論文、技術報告及其他等。（請依各類著作之重要性自行排列優先順序）

3.表 C303 研發成果智慧財產權及其應用績效：請將個人研發成果所產生之智慧財產權及其應用績效分為(1)專利(2)技術移轉(3)著作授權(4)其他等類別分別填入。

4.表 C304 近三年內執行及申請中之研究計畫：請詳述研究計畫名稱、計畫編號、個人在計畫內擔任之工作、研究計畫之起迄年月、補助或委託機構等資料。

三、使用方法：

1. 本表中之各項資料均將存入本會研究人員系統中，於本會網站(網址：http://www.nsc.gov.tw)上開放供外界使用，並提供列印個人資料表，作為申請本會補助時之附件，故個人資料如有變動時，請務必隨時上網更新。

2. 使用本系統需先取得本會核發之 ID 及 Password，方式為至本會網站首頁，進入「研究人才」系統內的「線上註冊」項下，輸入個人基本資料後按「確認」：

(1)若本會「研究人才」系統已有其個人資料，則系統會告知原 ID 並取得新的 Password。

(2)若系統內無其個人資料，則需輸入個人詳細基本資料後，再將顯示的「研究人才基本資料表」列印簽名並經單位主管簽名確認後，傳真至本會資訊小組(Fax：(02)2737-7691)，約經四個工作小時後，即可再次進入「線上註冊」取得 ID 及 Password。

(3)若遺忘 ID 及 Password 時，請進入「研究人員」系統內的「ID/密碼查詢」作業。

3.「論文著述」部份請下載空白論文著述，填寫完畢後請上傳本會；日後如有更新時，可下載原有之 RTF 檔，更新後再上傳本會。上傳方式為透過 E-Mail 傳遞至本會信箱 nscapply@nsc.gov.tw ，主旨請註明 C302, "身分證號碼"; ，並在附件中插入論文著述檔。

4.「近三年內執行及申請中之研究計畫」，系統會自動提供您最近三年內向本會申請中或已經核定計畫，若有其他機構委託之計畫，請按「新增」輸入。

5. 有關系統之詳細操作說明請見本系統內各畫面之「操作說明」。

行政院國家科學委員會個人資料表

以下各項資料均將收錄於國科會資料庫內，其中有關個人的姓名、服務機關、連絡電話(公)及論文著述等，將公開於本會網際網路「研究人員」項下，提供外界查詢。至於其他如傳真、E-mail、學歷、經歷、專長等資料，為尊重個人意願，請圈選（同意、不同意）於網際網路上提供外界查詢。（如以往已經表示過意見者，可不必再勾選）。

一、 基本資料

簽　　名：陳正宗

填表日期： 2024 / 03 /01

身分證號碼										

中文姓名	陳　　正　　宗	英文姓名	Chen Jeng-Tzong (Last Name)　(First Name)　(Middle Name)		
國　　籍	中　華　民　國	性　　別	☑ 男　☐ 女	出生日期	1962 年 08 月 23 日
聯絡地址	郵遞區號 202-24 基隆郵政 7 之 59 號信箱，基隆市北寧路 296 之 2 號 5 F				
聯絡電話	(公). (02)24622192-6140　or　6177　　(宅). (02)24697018				
傳真號碼	02-24632375	E-MAIL	jtchen@mail.ntou.edu.tw		

二、 主要學歷 由最高學歷依次填寫，若仍在學者，請在學位欄填「肄業」。

學校名稱	國別	主修學門系所	學位	起訖年月(西元年/月)
國立台灣大學	台灣	土木工程研究所	博士	1990 / 09 至 1994 /06
國立台灣大學	台灣	應用力學研究所	碩士	1984 / 09 至 1986 /06
國立台灣大學	台灣	土木工程學系	學士	1980 / 09 至 1984 /06
				/ 至 /

三、 現職及與專長相關之經歷 指與研究相關之專任職務，請依任職之時間先後順序由最近者往前追溯。

服務機構	服務部門／系所	職稱	起訖年月(西元年/月)
現職：國立海洋大學	河海工程學系	特聘講座教授	2018 / 08　迄今
現職：國立海洋大學	河海工程學系	終身特聘教授	2007 / 08　迄今
現職：國立海洋大學	河海工程學系	特聘教授	2004 / 08　迄今
現職：國立海洋大學	河海工程學系	教授	1998 / 08　迄今
經歷：國立海洋大學	河海工程學系	副教授	1994 / 08 至 1998 /07
經歷：中山科學研究院	火箭飛彈研究所結構組	助研員	1986 / 08 至 1990 /08

四、專長 請自行填寫與研究方向有關之學門及次領域名稱。

1.　邊界元素法	2.　振動與噪音	3.　結構動力	4.　地震工程
5.　有限元素法	6.　固體力學	7.　破壞力學	8.　推進劑力學分析

五、論文著述：

1. 請詳列個人最近五年內發表之學術性著作，包括：期刊論文、專書及專書論文、研討會論文、技術報告及其他等，並請依各類著作之重要性自行排列先後順序。

2.各類著作請按發表時間先後順序填寫。各項著作請依作者姓名（按原出版之次序）、出版年、月份、題目、期刊名稱（專書出版社）、起迄頁數之順序填寫，被接受刊登尚未正式出版者請附被接受函。

3.若期刊屬於 SCI、EI、SSCI 或 A&HCI 等時，請註明；若著作係經由國科會補助之研究計畫所產生，請於最後填入相關之國科會計畫編號。

4.論文著述(表 C302)，請採 MS Word 97(含)以上版本輸入資料，並將輸入的檔案以 E-Mail 方式傳遞本會。E-Mail 位址：nscapply@nsc.gov.tw，Mail 之主旨請註明 C302, "身分證號碼"。

姓名：陳正宗（Jeng-Tzong Chen, Ph.D.）
職稱：特聘講座教授（Distinguished Chair Professor）
學歷：國立台灣大學土木工程博士
專長：邊界元素法、有限元素法、結構動力、地震工程、破壞力學、振動與噪音、熱傳熱應力、推進劑力學分析、設計與實驗、結構控制與阻尼、計算力學、計算數學與反算問題。
電話：（02）2462-2192 轉 6140 或 6177
E-mail：jtchen@mail.ntou.edu.tw; b0209@mail.ntou.edu.tw

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(B)研討會論文

- Plenary lectures

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IIT-Indore, India.
2. J. T. Chen, 2019, Paradox, Paradise and Parasite of the BEM, APCOM 2019, Taipei.
3. J. T. Chen, 2019, Paradox, Paradise and Parasite of the BEM, ICOME 2019, Dailian.
4. J. T. Chen, 2019, On the degenerate scale in the MFS and BEM, 5th International Workshop on Meshless Methods, Qingdao.
5. J. T. Chen, 2018, Animations of dynamic responses in structural dynamics and earthquake engineering using Mathematica, 第六屆海峽兩岸地震工程青年學者研討會, Dailian.
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8. J. T. Chen, 2016, BEM development in Taiwan personal point of view, 9th National Conference on Finite Element Method, Chengdu, China. (科技部結餘款補助)
9. J. T. Chen, 2016, BEM development in Taiwan personal point of view, ACMT 2016, Taipei, Taiwan.
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16. J. T. Chen, Y. T. Lee, J. W. Lee and I L. Chen, 2012, On null fields in the BIEM/BEM, ICOME2012, Dec. 12-14, Kyoto, Japan.
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20. J. T. Chen, 2007, Null field integral equation approach for engineering problems with circular boundaries, Computational Mathematics Conference CMC 2007, Plenary lecture, Koashung.
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- Keynote lectures

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- Invited lectures

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- Contributed papers

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3. J.H. Kao, T.A. Wu, S.K. Kao and J.T. Chen, On the double-degeneracy problem in the indirect BEM, CTAM 2022, Kaohsiung, Taiwan, 2022.
4. W.C. Tai, Y.T. Lee, S.K. Kao and J.T. Chen, Revisit of two circular holes in harmonic problems, TWSIAM 2022, Hsinchu, Taiwan, 2022.
5. Y.T. Chou, W.C. Tai, S.K. Kao and J.T. Chen, On the solution arising in cylinders electrostatics by using the null-field BIEM, TWSIAM 2022, Hsinchu, Taiwan, 2022.
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7. C.Y. Yang, Y.T. Chou, H.C. Kao and J.T. Chen, Animation of cycloid and spiral curves in companion with instantaneous center of rotation and radius of curvature, TWSIAM 2022, Hsinchu, Taiwan, 2022.
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9. W.C. Tai, J.T. Chen, J.W. Lee and S.K. Kao, Interaction between a screw dislocation and an elastic elliptical inclusion by using the angular-basis function, TWSIAM 2021, Kaohsiung, Taiwan, 2021.
10. C.H. Shao, J.T. Chen, J.H. Kao and S.K. Kao, On the role of singular and hypersingular BIEs for the BVP containing a degenerate boundary, TWSIAM 2021, Kaohsiung, Taiwan, 2021.
11. 吳庭安、陳正宗、周彥廷與陳彥亨，運算數學的幾個有趣學習案例分享, TWSIAM 2021, Kaohsiung, Taiwan, 2021.
12. W.C. Dai, Y.T. Chou, Y.T. Lee, S.K. Kao and J.T. Chen, Study on interaction between a screw dislocation and circular holes by using the angular basis function in conjunction with bipolar coordinates, CTAM 2021, Taipei, Taiwan, 2021.
13. H.C. Kao, Y.T. Lee, J.W. Lee and J.T. Chen, Vibration analysis of a finite bar with an external spring on one side and the support motion on the other side, CTAM 2021, Taipei, Taiwan, 2021.
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15. J.H. Kao and J.T. Chen, Analytical and numerical analysis for plane elasticity problem with multi-line segments, CTAM 2021, Taipei, Taiwan, 2021.
16. W.C. Dai, Y.T. Chou, S.K. Kao, J.W. Lee and J.T. Chen, Study on the interaction between a screw dislocation and circular rigid inclusions by using the angular basis function in conjunction with bipolar coordinates, CSME 2021, Tainan, Taiwan, 2021.
17. 邵程祥、黃乙玲、高政宏、高聖凱、陳正宗與郭世榮, 反平面力場孔洞與剛性夾雜應力集中因子(SCF)互易性研究, TWSIAM 2020, Tainan, Taiwan, 2020.

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六、研發成果智慧財產權及其應用績效：

1.請將個人研發成果所產生之智慧財產權及其應用績效分為(1)專利(2)技術移轉(3)著作授權(4)其他等類別，分別填入下列表中。如欄位不足，請自行加印填寫。

2.填寫順序請依專利期間起始日排列，或技術移轉及著作授權之簽約日期排列。

專利 請填入目前仍有效之專利。「類別」請填入代碼：(A)發明專利(B)新型專利(C)新式樣專利。

類別	專利名稱	國別	專利號碼	發明人	專利權人	專利期間	國科會計畫編號

技術移轉

技術名稱	專利名稱	授權單位	被授權單位	合約期間	國科會計畫編號
產生績效：(可另紙繕寫)。					

著作授權 「類別」分(1)語文著作(2)電腦程式著作(3)視聽著作(4)錄音著作(5)其他，請擇一代碼填入。

著作名稱	類別	著作人	著作財產權人	被授權人	國科會計畫編號
產生績效：(可另紙繕寫)。					

其他協助產業技術發展之具體績效

七、陳正宗特聘講座教授執行及申請中之研究計畫(1994-2024)

計畫名稱 （本會補助者請註明編號）	計畫內擔任之工作	起迄年月	補助或委託機構	申請(核定)情形
遲滯阻尼時間域解法探討	主持人	1995/8 1996/7	國科會	通過
不完全隔間小空間聲場自然聲模分析與實驗	主持人	1996/8 1997/7	國科會	通過
複變數對偶邊界元素法研究	主持人	1997/8 1998/7	國科會	通過
對偶邊界積分方程在外域聲場問題之應用	主持人	1998/8 1999/7	國科會	通過
Analytical study and numerical experiments for spurious eigensolutions of interior and fictitious wave numbers of exterior problem using BEM	主持人	1999/8 2000/7	國科會	通過
對稱化邊界元素法研究	主持人	1999/8 2000/7	國科會	通過
A study on the propagation of oblique incident wave past a thin barrier using the dual BEM	主持人	2000/8 2001/7	國科會	通過
對偶邊界積分方程數學分析及其應用(1/2)	主持人	2000/8 2002/7	國科會	通過
對偶邊界積分方程數學分析及其應用(2/2)	主持人	2000/8 2002/7	國科會	通過
複數邊界元素法在含退化邊界勢能問題的研究	協同主持人	2000/8 2001/7	國科會	通過
無網格法理論建構與程式開發	主持人	2001/8 2002/7	國科會	通過
A unified formulation for degenerate problems in BEM (3 years)	主持人	2002/8 2005/7	國科會	通過
Applications of fast mutipole method for dual integral formulation in the problems of acoustics and oblique incident water wave	主持人	2002/8 2003/7	國科會	通過
Multiply-connected problem using BEM (3 years)	主持人	2003/8 2005/7	國科會	未通過
邊界元素法中退化問題之統一推導 (3 years)	主持人	2002/8 2005/7	國科會	通過

邊界元素法求解板問題中退化尺度之研究	主持人	2004/8 2005/7	國科會	通過
多體輻射與散射	主持人	2005/8 2006/7	國科會	通過
以退化核求解 Laplace, Helmholtz 與 Biharmonic 方程式系統性解法(3 years)	主持人	2005/8 2008/7	國科會	通過
以退化核求解含夾雜 Laplace, 與 Helmholtz 方程式系統性解法(2 years)	主持人	2006/08 2008/07	國科會	通過
計算與模擬在海洋相關科技之應用	主持人	2008/01 2008/12	教育部	通過
含圓洞與夾雜之拉普拉斯、赫姆茲與雙諧和問題格林函數之零場積分方程解法(3 years)	主持人	2008/8 2011/7	國科會	未通過
零場積分方程及其工程應用(3 years)	主持人	2008/08 2011/07	國科會	通過
低噪音環保輪胎設計與驗證技術研究	協同主持人	2009/06 2010/05	科專案	通過
地震波繞行山峰與水波入射港池聚焦問題統一數學模式	主持人	2011/01 2011/12	教育部	通過
半平面含阻抗邊界之映像法	主持人	2011/07 2012/02	國科會	通過
利用映像法與零場積分方程求解格林函數與邊界值問題(3 years)	主持人	2009/08 2012/07	國科會 傑出學者計劃	通過
半解析法求解含橢圓形(圓形)孔洞與束條之多連通特徵值問題	主持人	2010/08 2013/07	國科會	通過
含隧道之半圓形或半橢圓形山峰 SH 波散射問題之零場積分方程解法	主持人	2011/08 2014/07	國科會	通過
低阻力、低噪音環保輪胎設計與驗證技術研究計畫	協同主持人	2010/06 2013/05	科專案	通過
奇異值分解法與加法定理在對偶邊界積分方程法的理論探討及程式開發	主持人	2012/08 2015/07	國科會特約計畫	通過

補助學者提昇國際影響力	主持人	2013/01 2013/12	國科會	未通過
邊界元素法中的退化尺度與複變理論中單位對數容量關聯之研究	主持人	2013/08 2014/07	科技部	通過
無退化尺度之邊界積分方程推導及邊界元素法之應用	主持人	2014/08 2017/07	科技部	通過
補助學者提昇國際影響力	主持人	2015/01 2015/12	科技部	通過
自救式邊界元素法-理論與應用	主持人	2015/08 2018/07	科技部	通過
台北 101 制震系統說物理	主持人	2015/08 2016/07	科技部	通過
修正型格林函數於求解二維拉普拉斯方程邊界值問題之應用	主持人	2016/08 2017/07	科技部	通過
二維外域問題退化尺度之研究: 雙極座標解析推導與邊界元素法數值實驗(3 years)	主持人	2017/08 2020/07	科技部	通過
同幾何分析對偶邊界元素法用於拉普拉斯方程的退化邊界問題	主持人	2017/08 2018/07	科技部	通過
土木水利工程學門研究發展及推動規劃小組計畫(3 years)	主持人	2018/01 2020/12	科技部	通過
無因次二維基本解之退化尺度研究	主持人	2018/08 2019/07	科技部	通過
間接邊界元素法與基本解法之虛擬頻率問題探討	主持人	2018/08 2019/07	科技部	通過
含 cracklets 與 Stokeslets 之角度基底函數法於裂縫及斯托克斯流問題之應用	主持人	2019/08 2020/07	科技部	通過
論 Steklov 特徵問題的完備基底	主持人	2019/08 2020/07	科技部	通過
邊界元素法/邊界積分方程法中雙退化問題之探討	主持人	2020/08 2023/07	科技部	通過

直接與間接邊界元素法等價嗎?	主持人	2021/08 2024/07	國科會	通過
雙極座標分離核在邊界積分方程法/邊界元素法之工程應用	主持人	2022/08 2025/07	國科會	通過
受外部彈簧和阻尼邊界影響下桿或梁的支承運動問題研究	主持人	2023/08 2024/07	國科會	通過
自救法於工程秩降問題之應用	主持人	2024/08 2026/07	國科會	申請中
理論解析反平面剪力作用下含磁電彈性夾雜物問題	協同主持人	2024/08 2027/07	國科會	申請中