

## **Project History: Jer-Ming Chiu (1982 – present)**

<b>EXTERNAL (Funded or Pending List funded support first)</b>	<b>AGENCY/SOURCE</b>	<b>AMOUNT</b>	<b>PERIOD</b>
Memphis area regional seismic network (CO-PI)	NRC(NRC-0478-200)	\$364,500	1982-86
Southern Appalachian regional seismic network (Co-PI)	NRC(NRC-0479-214)	\$315,000	1983-85
Portable digital seismic array experiment in the central Andean region of South America (PI)	NSF (EAR-8608301)	\$183,640	1986-88
Intensive seismic studies of the Arkansas earthquake swarm region using the PANDA array (PI)	USGS	\$48,978	1986-87
Memphis area regional seismic network	NRC (NRC-0486-120)	\$605,628	1986-92
Southern Appalachian regional seismic network (CO-PI)	NRC(NRC-0485-107)	\$805,672	1985-92
Development of the PANDA seismic array in New Zealand (PI)	NSF (INT-8800040)	\$14,196	1988-89
Array studies of central Andean seismicity and structure (PI)	NSF(EA-8804925)	\$290,700	1988-92
Next generation seismic studies of the NMSZ (PI)	USGS	\$412,394	1988-92
Joint Seismological and geological studies of the central Andes of South America (PI)	NSF	\$12,484	1989-92
The cooperative New Madrid seismic network (CO-PI)	USGS (USGS 1408-001-G1534)	\$495,120	1991-94
The southern Appalachian cooperative seismic network (CO-PI)	USGS (USGS 1434-92-A-0973)	\$354,110	1991-94
The Cooperative New Madrid seismic network (CO-PI)	USGS (USGS 1434-92-A-0968)	\$235,604	1991-94
High-resolution 3-D crustal imaging for the Hualien area of central eastern Taiwan (PI)	NSF (INT) US-Taiwan	\$24,100	1992-94
A high-resolution, large-scale, land-OBS seismic array experiment along Hikurangi subduction zone, accretionary boader, forarc, backarc basin in New Zealand (PI)	NSF	\$427,144	1992-95
Joint PANDA II project (PI)	IES of Taiwan	\$210,000	1992-94
Seismicity study in the geothermal area of the East Rift zone in Hawaii (PI)	Subcontract from the University of Hawaii	\$30,532	1992-93
Seismotectonic studies of the New Madrid seismic zone using data collected by the PANDA array (PI)	USGS	\$65,000	1993-94
Upgrade of computer facilities at CERL, Memphis State for modern seismological research (PI)	NSF	\$99,711	1994-96
Study of earthquake source and crustal structure in the New Madrid seismic zone region (PI)	USGS	\$70,000	1998-99
Study of earthquake source and crustal structure in the New Madrid seismic zone region (PI)	USGS	\$71,190	1999-01
Shear wave velocity of the Post-Paleozoic sediments in the upper Mississippi embayment: collaborative research between the University of Kentucky and the University of Memphis (PI)	USGS	\$30,000	2002-03
High-resolution P- and S-wave velocity structure of the Post-Paleozoic sediments in	USGS (06HQGR0049)	\$20,000	2005-07

the upper Mississippi embayment: collaborative research between the Univ. of Kentucky and the Univ. of Memphis U.S.-Korea Cooperative Research: seismic hazard assessment and seismological study in the Korean Peninsula using modern and historical catalog data	NSF (INT-0301894)	\$43,600	2003-07
--	-------------------	----------	---------

<b>INTERNAL</b>	<b>SOURCE</b>	<b>AMOUNT</b>	<b>PERIOD</b>
Studies of wave propagation in Alaska and New Zealand	MSU (Faculty Research grant)	\$ 2,600	1982-83
Preparatory proposal for seismotectonic study in New Zealand	MSU (Faculty research grant)	\$2,000	1987-88
Implementation of a new seismic recording system – PANDA III	MSU (Faculty research grant)	\$3,000	1991-92
Implementation of the next generation seismic recording system PANDA III	MSU (Faculty research grant)	\$3,300	1993-94