

**Peter Copeland**  
*Curriculum Vitae*  
Feb. 2012

## **PERSONAL**

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Department of Geosciences  
University of Houston  
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## **Education**

Ph.D., Geology, State University of New York at Albany, Albany, New York, May 1990. Dissertation title: *Cenozoic tectonic evolution of the southern Tibetan plateau and eastern Himalaya: Evidence from <sup>40</sup>Ar/<sup>39</sup>Ar dating*, 414 p. Dissertation advisors: T. Mark Harrison and W.S.F. Kidd.

M.S., Geology, New Mexico Institute of Mining and Technology, Socorro, New Mexico, January, 1986. Thesis title: *Geochemistry and geology of the Pinal Schist, Cochise and Pima Counties, Arizona*, 177 p. Thesis advisor: Kent C. Condie.

B.S., Geology, University of Kansas, May, 1982.

## **Professional Experience**

1996 -	Associate Professor, Department of Geosciences, University of Houston
1990 - 1996	Assistant Professor, Department of Geosciences, University of Houston
1988 - 1990	Research Assistant, Department of Geological Sciences, SUNY at Albany
1987, 1988	Instructor, Department of Geological Sciences, SUNY at Albany
1986 - 1988	Teaching Assistant, Department of Geological Sciences, SUNY at Albany
1985 - 1986	Research Associate, New Mexico Bureau of Mines and Mineral Resources
1984 - 1986	Research Assistant, Dept. of Geoscience, New Mexico Tech
1982 - 1983	X-ray fluorescence technician, Dept. of Geology, University of Kansas

## **Awards**

Geological Society of America Fellow, 2007  
University of Houston Provost's Core Teaching Excellence Award, 2007

## **Professional Societies**

American Geophysical Union, Geological Society of America

## Peer –Reviewed Publications

- 1986**      **Copeland, P.**, and Condie, K.C., Geochemistry and tectonic setting of early Proterozoic supracrustal rocks of the Pinal Schist, *Geol. Soc. Am. Bull.*, **97**:1512-1520.
- McLemore, V.T., Roybal, G., Birdsall, K., Broadhead, R.F., Chenoweth, W.L., North, R.M., Barker, J.M., **Copeland, P.**, Bowie, M.R., Hingtgen, J.S., Brown, K.B., and Klien, K., A preliminary mineral-resource potential of McKinley County, northwestern New Mexico, *New Mexico Bureau of Mines and Mineral Resources Open File Report 231*, 696 p.
- McLemore, V.T., Broadhead, R.F., Cook, K., Chenoweth, W.L., Barker, J.M., Roybal, G., North, R.M., **Copeland, P.**, Bowie, M.R., Hingtgen, J.S., Klien, K., and Brown, K.B., A preliminary mineral-resource potential of San Juan County, northwestern New Mexico, *New Mexico Bureau of Mines and Mineral Resources Open File Report 232*, 855 p.
- McLemore, V.T., Broadhead, R.F., Roybal, G., Chenoweth, W.L., North, R.M., Barker, J.M., **Copeland, P.**, Bowie, M.R., Cook, K., Hingtgen, J.S., Klien, K., and Brown, K.B., A preliminary mineral-resource potential of McKinley County, northwestern New Mexico, *New Mexico Bureau of Mines and Mineral Resources Open File Report 233*, 260 p.
- 1987**      **Copeland, P.**, Harrison, T.M., Kidd, W.S.F., Xu Ronghua, and Zhang Yuquan, Rapid early Miocene acceleration of uplift in the Gangdese belt, Xixang, southern Tibet, and its bearing on the accommodation mechanisms of the India-Asia collision, *Earth Planet. Sci. Lett.*, **86**:240-252.
- 1988**      **Copeland, P.**, Parrish, R.R., and Harrison, T.M., Identification of inherited radiogenic Pb in monazite and its implications for U-Pb systematics, *Nature*, **333**:760-763.
- 1990**      Schärer, U., **Copeland, P.**, Harrison, T.M., and Searle, M.P., Age, cooling history, and origin of post-collisional leucogranites in the Karakoram batholith; A multi-system isotope study, *J. Geol.*, **98**:233-251.
- Copeland, P.**, and Harrison, T.M., Episodic rapid uplift in the Himalaya revealed by  $^{40}\text{Ar}/^{39}\text{Ar}$  analysis of detrital K-feldspar and muscovite, Bengal Fan, *Geology*, **18**:354-357.
- Foster, D.A., Harrison, T.M., **Copeland, P.**, and Heizler, M.T., Effects of excess Ar on K-feldspar age spectra in the presence of large diffusion domains and plagioclase inclusions, *Geochim. Cosmochim. Acta*, **54**:1699-1708.
- Copeland, P.**, Harrison, T.M., and Heizler, M.T.,  $^{40}\text{Ar}/^{39}\text{Ar}$  single-crystal dating of detrital muscovite and K-feldspar from Leg 116, southern Bengal Fan: Implications for the uplift and erosion of the Himalaya, in Cochran, J.R., and Stowe, D.A.W., eds., *Proceedings of the Ocean Drilling Program, Scientific Results*, **116**:93-14.
- Copeland, P.**, Harrison, T.M., and Le Fort, P., Age and cooling history of the Manaslu granite: implications for Himalayan tectonics, *J. Vol. Geotherm. Res.*, **44**:33-50.

- 1991** **Copeland, P.**, Harrison, T.M., Hodges, K.V., Maréujol, P., Le Fort, P., and Pêcher, A., An early Pliocene thermal disturbance of the Main Central Thrust, central Nepal: Implications for Himalayan tectonics, *J. Geophys. Res.*, **96**: 8475-8500.  
Richter, F.M., Lovera, O.M., Harrison, T.M., and **Copeland, P.**, Tibetan tectonics from  $^{40}\text{Ar}/^{39}\text{Ar}$  analysis of a single feldspar sample, *Earth Planet. Sci. Lett.*, **105**: 266-278.
- 1992** Harrison, T.M., **Copeland, P.**, Kidd, W.S.F., and Yin, A., Raising Tibet, *Science*, **255**:1663-1670.
- 1993** **Copeland, P.**, Two-phase uplift of Higher Himalayas since 17 Ma: Comment, *Geology*, **21**:188-189.  
Harrison, T.M., **Copeland, P.**, Hall, S.A., Quade, J., Burner, S., Ojha, T.P., and Kidd, W.S.F., Isotopic preservation of Himalayan/Tibetan uplift, denudation, and climatic histories in two molasse deposits, *J. Geol.*, **101**:159-177.  
Yun, P., **Copeland, P.**, Roden, M.K., Kidd, W.S.F., and Harrison, T.M., Thermal and unroofing history of the Lhasa area, southern Tibet — evidence from apatite fission track thermochronology, *Nucl. Tracks Radiat. Meas.*, **21**:543-554.
- 1994** Yin, A., Harrison, T.M., Ryerson, F.J., Wenji, C., Kidd, W.S.F., **Copeland, P.**, The structural evolution of the Gangdese Thrust, southern Tibet, *J. Geophys. Res.*, **99**:18,175-18,201.
- 1995** **Copeland, P.**, Harrison, T.M., and Le Fort, P., Reply to the comment on “Age and cooling history of the Manaslu granite: implications for Himalayan tectonics” by Igor Villa, *Jour. Volcanol. Geotherm. Res.*, **70**:262-264.  
**Copeland, P.**, Harrison, T.M., Yun, P., Kidd, W.S.F., Roden, M., Thermal Evolution of the Gangdese Batholith, Southern Tibet: A History of Episodic Unroofing, *Tectonics*, **14**:223-236.  
Harrison, T.M., **Copeland, P.**, Kidd, W.S.F., and Lovera, O., The Nyainqêntanghla shear zone: Implications for Tibetan Plateau uplift and onset of the Asian monsoon, *Tectonics*, **14**:658-676.
- 1996** Krol, M., Zeitler, P.K., and **Copeland, P.**, Denudation history of the Kohistan Terrane, NW Himalaya, from  $^{40}\text{Ar}/^{39}\text{Ar}$  dating of K-feldspars, *J. Geophys. Res.*, **101**:28,149-28,164.
- 1997** **Copeland, P.**, The when and where of the growth of the Himalaya and Tibetan Plateau, in Ruddiman, W., ed., *Tectonic Uplift and Climate Change*, Plenum Publishing, p. 19-40. (invited paper)  
Volgel, T.A., Cambray, W., Feher, L., Constenius, K.N., **Copeland, P.**, Flood, T.P., Garziona, C., Gehrels, G.E., Hodkinson, D., Hanson, S., Holst, T.B., John, D.A., and Layer, P.A., Petrochemistry and emplacement history of the Wasatch Igneous Belt, in John, D.A., and Ballantyne, G.H., eds., *Geology and ore deposits of the Oquirrh. and*

- Watch Mountains, Utah, Society of Economic Geologists Guidebook Series*, vol 29, p. 47-63.
- 1998** Abdelsalam, M.G., Stern, R.J., **Copeland, P.**, Elfaki, E.M., Elhur, B., and Ibrahim, F.M., The Neoproterozoic Keraf Zone in NE Sudan: sinistral transpression along the eastern margin of west Gondwana, *J. Geology*, **106**:133-147
- 1999** Rougvie, J.R., Carlson, W.D., **Copeland, P.**, and Connelly, J., Late thermal evolution of Proterozoic rocks in the northeastern Llano uplift, central Texas, *Precamb. Res.* **94**:49-72  
 Smith, C.A., Avé Lallemant, H.G., Sisson, V.B., and **Copeland, P.**, Two contrasting *P-T-t* paths in the Villa de Cura blueschist belt, Venezuela: possible evidence for Late Cretaceous initiation of subduction in the Caribbean, *Geol. Soc. Am. Bull.*, **111**:831-848.  
 Dressler, B.O., Sharpton, V.L., **Copeland, P.**, Slate Islands, Lake Superior, Canada: A mid-size, complex impact structure, in *Large Meteorite Impacts and Planetary Evolution*, Dressler, B.O., ed., *Geological Society of America Special Paper 339*, p.109-124.
- 2001** Jordan, T.E., Burns, W.M., Veiga, R., Pángaro, F., and **Copeland, P.**, Kelley, S., and Mpodozis, C., Extension and intra-arc basin formation in the southern Andes caused by increased convergence rate: a mid-Cenozoic trigger for the Andes, *Tectonics*, **20**:308-324  
 DeCelles, P.G., Robinson, D.M., Quade, J., Ojha, T.P., Garzione, C.N., and **Copeland, P.**, Stratigraphy, structure, and tectonic evolution of the Himalayan fold-thrust belt in western Nepal, *Tectonics*, **20**:487-509.
- 2003** Wyld, S.J., Rodgers, J.W., and **Copeland, P.**, Metamorphic evolution of the Luning-Fencemaker fold-thrust belt, Nevada: <sup>40</sup>Ar/<sup>39</sup>Ar geochronology, illite crystallinity, and metamorphic petrology, *Journal of Geology*, **111**:17-38  
 Sisson, V.B., Poole, A.R., Harris, N.R., Burner, H.C., Pavlis, T.L., **Copeland, P.**, Donelick, R.A., and McLelland, W.C., Geochemical and geochronologic constraints for genesis of a tonalite-trondhjemitic suite and associated mafic intrusive rocks in the eastern Chugach Mountains, Alaska: A record of ridge-transform subduction, in Sisson, V.B., Roeske, S.M., and Pavlis, T.L., eds., *Geology of a transpressional orogen developed during ridge-trench interaction along the North Pacific margin*: Geological Society of America Special Paper 371, p. 293-326  
 Kappelman, J., Rasmussen, D.T., Sanders, W.J., Feseha, M., Brown, T., **Copeland, P.**, Crabaugh, J., Fleagle, J., Glantz, M., Gordon, A., Jacobs, B., Maga, M., Muldoon, K., Pan, A., Pyne, L., Richmond, B., Ryan, T., Seiffert, E.R., Sen, S., Todd, L., Wiemann, M.C., and Winkler, A., Oligocene mammals from Ethiopia and faunal exchange between Afro-Arabia and Eurasia, *Nature*. **426**:549-552.  
 Devine, J.D., and **Copeland, P.**, Geology and Geochronology of Union Island, in Daudin, J., ed, *A Natural History Monograph of Union Island*, Désormeaux, Martinique. pp. 1-36.
- 2004** **Copeland, P.**, and Parsons, K., Towards a postmodern paleontology?, *Academic Questions*, Spring 2004, p. 6-17.  
 Grimes, S., and **Copeland, P.**, Thermochronology of the Grenville orogeny in west Texas, *Precambrian Research*, **131**:23-54

- Khan, S.D., Stern, R. J., Manton, W. I., **Copeland, P.**, Kimura, J. I. Khan, M. A., Age, geochemical and Sr-Nd-Pb isotopic constraints for mantle source characteristics and petrogenesis of Teru Volcanic Formation, Northern Kohistan terrane, Pakistan. *Tectonophysics*, **393**:263-280.
- John, B.E, Foster, D.A., Murphy, J.M., Cheadle, M.J., Bains, A.G., Fanning, C.M., and **Copeland, P.**, Determining the cooling history of *in situ* lower oceanic crust—Atlantis Bank, SW Indian Ridge, *Earth Planet. Sci. Lett.*, **222**:145-160.

**2005**

- Murphy, M.A., and **Copeland, P.**, Trans-tensional deformation in the central Himalaya and its role in accommodation of growth of the Himalayan orogen, *Tectonics* 24, TC4012, doi:10.1029/2004TC001659.
- Sisson, V.B., Avé Lallement, H., Ostos, M., Blythe, A.E., Snee, L.W., **Copeland, P.**, Wright, J.E., Donelick, R.A., and Guth, L.R., Overview of radiometric ages in three allochthonous belts of northern Venezuela: Old ones, new ones, and their impact on regional geology, in Avé Lallement, H.G., and Sisson, V.B., eds., *Caribbean-South American plate interactions, Venezuela: Geological Society of America Special Paper 394*, p. 91-117. doi: 10.1130/2005.2394(03)
- Rajmon, D., **Copeland, P.**, and Reid, A.M., Thermal history of breccia veins from Roter Kamm crater, Namibia, *Metoritics*, **40**:841-854

**2006**

- Robinson, D.M., DeCelles, P.G., and **Copeland, P.**, Tectonic evolution of the Himalayan thrust belt in western Nepal: implications for channel flow models, *Geological Society of America Bulletin*, **118**(7):865-885.
- Kay, S.M., Burns, W.M., **Copeland, P.**, and Mancilla, O., Late Cretaceous to Recent Magmatism over the Neuquén Basin: Evidence for transient shallowing of the subduction zone under the Neuquén Andes (36°S to 38°S latitude), in Kay, S.M. and Ramos, V.A., eds., *Late Cretaceous To Recent Magmatism And Tectonism Of The Southern Andean Margin At The Latitude Of The Neuquen Basin (36-39°S)*, GSA Special Paper 407, p. 19-60.
- Burns, M.B., Jordan, T.E., **Copeland, P.**, and Kelley, S., Extensional tectonics in the Oligo-Miocene Southern Andes as recorded in the Cura-Mallín basin (36°-38), in Kay, S.M. and Ramos, V.A., eds., *Late Cretaceous To Recent Magmatism And Tectonism Of The Southern Andean Margin At The Latitude Of The Neuquen Basin (36-39°S)*, GSA Special Paper 407, p. 163-184.
- Kay, S.M., and **Copeland, P.**, Eruptive history and magmatic evolution of the Late Miocene Chachahuén volcanic complex over a shallow subduction zone under the Neuquen basin, in Kay, S.M. and Ramos, V.A., eds., *Late Cretaceous To Recent Magmatism And Tectonism Of The Southern Andean Margin At The Latitude Of The Neuquen Basin (36-39°S)*, GSA Special Paper 407, p. 185-214.
- Kay, S.M., Mancilla, O, and **Copeland, P.**, Eruptive history and magmatic evolution of the Late Miocene Chachahuén volcanic complex over a shallow subduction zone under the Neuquen basin, in Kay, S.M. and Ramos, V.A., eds., *Late Cretaceous To Recent Magmatism And Tectonism Of The Southern Andean Margin At The Latitude Of The Neuquen Basin (36-39°S)*, GSA Special Paper 407, p. 215-246.

- 2007** **Copeland, P.**, Watson, E.B., Urizar, S.C., Patterson, D. and Lapen, T.J., Alpha thermochronology of carbonates, *Geochimica Cosmochimica Acta*, **71**:4,488-4,511
- Behrensmeyer, A.K., Quade, J., Cerling, T.E., Kappelman, J., Khan, I., **Copeland, P.**, Roe, L., Hicks, J., Sheikh, K., Stubblefield, P., Willis, B.J., Latorre, C., The structure and rate of late Miocene expansion of C<sub>4</sub> plants: evidence from lateral variation in stable isotopes in paleosols of the Siwalik Group, northern Pakistan, *Geological Society of America Bulletin*, **119**(11/12):1,486-1,505.
- 2010** **Copeland, P.**, Murphy, M.A., and Dupré, W. R., Geology of the Silver City Range, Grant County, New Mexico, New Mexico Bureau of Mines and Mineral Resources Open File Report 524.
- Herman, F., **Copeland, P.**, Avouac, J.-P., Bollinger, L., Mahéo, G., Le Fort, P., Rai, S., Foster, D.A., Pêcher, A., Stüwe, K., and Henry, P., Exhumation, crustal deformation and thermal structure of the Nepal Himalaya derived from the inversion of thermochronological and thermobarometric data and modeling of the topography, *J. Geophys. Res.*, doi:10.1029/2008JB006126.
- 2011** **Copeland, P.**, *Communicating Rocks: writing, speaking, and thinking about geology*, Pearson Higher Education Publishing, 176 pages
- Copeland, P.**, Murphy, M.A., Dupré, W. R., and Lapen, T.J., Oligocene Laramide deformation in southern New Mexico and its implications for Farallon plate geodynamics, *Geosphere*, **7**:1209-1219, doi:10.1130/GES00672.1
- 2012** Martin, A.J., and **Copeland, P.**, Tectonic implications of spatially varying muscovite <sup>40</sup>Ar/<sup>39</sup>Ar cooling ages in the southern Annapurna Range of central Nepal, *Tectonics*, submitted
- Tomlinson, D., **Copeland, P.**, Murphy, M.A., and Lapen, T.J., Oligocene shortening in the Little Burro Mountains, New Mexico: implications for the transition from Laramide to Basin and Range tectonics in the southern Rockies, *Geology*, submitted.

## Radio Commentaries

I have contributed to the radio program *Engines of our Ingenuity* (<http://www.uh.edu/engines/>), produced at KUHF, hosted by John Lienhard.

- 2007 Copeland, P., Engines #2188, Plate Tectonics, <http://www.uh.edu/engines/epi2188.htm>
- 2007 Copeland, P., Engines # 2204, Rocks, Air, and Memory, <http://www.edu/engines/epi2204.htm>
- 2009 Copeland, P., Engines #2530, Observation and Explanation, <http://www.uh.edu/engines/epi2204.htm>

Citations from Science Citation Index, as of 15 Dec 2011:

	Authors	Year	Journal or Book	Journal 2010 impact factor	# of citations
1	Harrison, <b>Copeland</b> , Kidd, and Yin	1992	<i>Science</i>	31.377	530
2	<b>Copeland</b> , Parrish, and Harrison	1988	<i>Nature</i>	36.104	258
5	DeCelles, Robinson, Quade, Ojha, Garziona, <b>Copeland</b> , and Upreti	2001	<i>Tectonics</i>	3.147	170
3	Yin, Harrison, Ryerson, Wenji, Kidd, and <b>Copeland</b>	1994	<i>JGR</i>	3.303	162
4	<b>Copeland</b> and Harrison	1990	<i>Geology</i>	4.026	156
6	Harrison, <b>Copeland</b> , Kidd, and Lovera,	1995	<i>Tectonics</i>	3.147	146
8	Harrison, <b>Copeland</b> , Hall, Quade, Burner, Ojha, and Kidd	1993	<i>J. Geol.</i>	2.238	128
7	<b>Copeland</b> , Harrison, Kidd, Xu, and Zhang	1987	<i>EPSL</i>	4.279	127
12	Jordan, Burns, Veiga, Pángaro, <b>Copeland</b> , Kelley, and Mpodozis	2001	<i>Tectonics</i>	3.147	95
9	Richter, Lovera, Harrison, and <b>Copeland</b>	1991	<i>EPSL</i>	4.279	92
10	<b>Copeland</b> , Harrison, Yun, Kidd, Roden,	1995	<i>Tectonics</i>	3.147	83
11	<b>Copeland</b> , Harrison, Hodges, Maréujol, Le Fort, and Pêcher,	1991	<i>JGR</i>	3.303	73
13	Schärer, <b>Copeland</b> , Harrison, and Searle	1990	<i>J. Geol.</i>	2.238	72
14	<b>Copeland</b> , Harrison, and Le Fort	1990	<i>JVGR</i>	1.941	60
17	Robinson, DeCelles, and <b>Copeland</b>	2006	<i>GSA</i>	3.637	59
15	Foster, Harrison, <b>Copeland</b> , and Heizler,	1990	<i>GCA</i>	4.101	58
16	Kappelman, Rasmussen, Sanders, Feseha, Brown, <b>Copeland</b> , Crabaugh, Fleagle, Glantz, Gordon, Jacobs, Maga, Muldoon, Pan, Pyne, Richmond, Ryan, Seiffert, Sen, Todd, Wiemann, and Winkler	2003	<i>Nature</i>	36.104	53
19	Smith, Avé Lallemant, Sisson, and <b>Copeland</b>	1999	<i>GSA</i>	3.637	43
18	John, Foster, Murphy, Cheadle, Bains, Fanning, and <b>Copeland</b>	2004	<i>EPSL</i>	4.279	33
20	Abdelsalam, Stern, <b>Copeland</b> , Elfaki, Elhur, and Ibrahim	1998	<i>J. Geol.</i>	2.238	24
21	Behrensmeyer, Quade, Cerling, Kappelman, Khan, <b>Copeland</b> , Roe, Hicks, Sheikh, Stubblefield, Willis, and Latorre	2007	<i>GSA</i>	3.637	22
22	Murphy and <b>Copeland</b>	2005	<i>Tectonics</i>	3.147	21
32	Herman, <b>Copeland</b> , Avouac, Bollinger, Mahéo, Le Fort, Rai, Foster, Pêcher, Stüwe, and Henry,	2010	<i>JGR</i>	3.303	16
24	Rougvie, Carlson, <b>Copeland</b> , and Connelly	1999	<i>PC Res.</i>	4.116	14
23	Yun, <b>Copeland</b> , Roden, Kidd, and Harrison	1993	<i>Nucl. Tracks</i>		13
26	Krol, Zeitler, and <b>Copeland</b>	1996	<i>JGR</i>	3.303	13
25	<b>Copeland</b> and Condie	1986	<i>GSA</i>	3.637	12
27	Wyld, Rodgers, and <b>Copeland</b>	2003	<i>J. Geol.</i>	2.238	10
30	Khan, Stern, Manton, <b>Copeland</b> , Kimura and Khan	2004	<i>Tectonophysics</i>	2.509	9
29	<b>Copeland</b> , Watson, Urizar, Patterson, and Lapen	2007	<i>GCA</i>	4.101	6
28	Grimes and <b>Copeland</b>	2004	<i>PC Res.</i>	4.116	5
31	<b>Copeland</b>	1993	<i>Geology</i>	4.026	4
34	Rajmon, <b>Copeland</b> , and Reid	2005	<i>Meteoritics</i>	2.624	2
35	<b>Copeland</b> , Harrison, and Le Fort	1996	<i>JVGR</i>	1.914	1
36	<b>Copeland</b> , Murphy, Dupré, and Lapen	2011	<i>Geosphere</i>	2.000	0
	<b>TOTAL</b>				<b>2,572</b>



These papers are not tracked by Science Citation Index:

	Authors	Year	Journal or Book	# of citations
1	McLemore, Roybal, Birdsall, Broadhead, Chenoweth, North, Barker, <b>Copeland</b> , Bowie, Hingtgen, Brown, and Klien	1986	<i>NMBMMR Open File Report</i>	
2	McLemore, Roybal, Birdsall, Broadhead, Chenoweth, North, Barker, <b>Copeland</b> , Bowie, Hingtgen, Brown, and Klien	1986	<i>NMBMMR Open File Report</i>	
3	McLemore, Broadhead, Roybal, Chenoweth, North, Barker, <b>Copeland</b> , Bowie, Cook, Hingtgen, Klien, and Brown	1986	<i>NMBMMR Open File Report</i>	
4	<b>Copeland</b> , Harrison, and Heizler	1990	<i>ODP</i>	
5	<b>Copeland</b>	1997	<i>Tectonic Uplift and Climate Change</i>	
6	Dressler, Sharpton, and <b>Copeland</b>	1999	<i>GSA Spec Paper</i>	
7	Sisson, Poole, Harris, Burner, Pavlis, <b>Copeland</b> , Donelik, and McClelland	2003	<i>GSA Spec Paper</i>	
8	<b>Copeland</b> and Parsons	2004	<i>Academic Questions</i>	
9	Sisson, Avé Lallement, Ostos, Blyth, Snee, <b>Copeland</b> , Wright, Donelick, and Guth	2005	<i>GSA Spec Paper</i>	
10	Kay, Burns, <b>Copeland</b> , and Mancillia	2006	<i>GSA Spec Paper</i>	
11	Burns, Jordan, <b>Copeland</b> , and Kelley	2006	<i>GSA Spec Paper</i>	
12	Kay and <b>Copeland</b>	2006	<i>GSA Spec Paper</i>	
13	Kay, Mancilla, and <b>Copeland</b>	2006	<i>GSA Spec Paper</i>	
14	<b>Copeland</b> , Murphy, and Dupré	2010	<i>NMBMMR Open File Report</i>	
15	<b>Copeland</b>	2011	<i>Pearson</i>	

## Presentations at scientific meetings

\* indicates the individual who gave the presentation

- 1986**      **Copeland, P.\***, and Condie, K.C., Geochemistry of the Pinal Schist, southeastern Arizona: Evidence for deposition in a continental back-arc basin, *Geol. Soc. Am. Abstr. w/ Prog.*, **18**:348-349.
- 1987**      **Copeland, P.\***, Harrison, T.M., Kidd, W.S.F., Xu Ronghua, and Zhang Yuquan, Rapid early Miocene uplift of southern Tibet, *EOS*, **68**:432.  
**Copeland, P.\***, Harrison, T.M., Burchfiel, B.C., Hodges, K.V., and Kidd, W.S.F., Constraints on the age of normal faulting, north face of Mt. Everest; implications for rapid Oligo-Miocene uplift, *EOS*, **68**:1444.
- 1988**      **Copeland, P.\***, and Bowring, S.A., U-Pb and  $^{40}\text{Ar}/^{39}\text{Ar}$  ages from Proterozoic rocks, west Texas, *Geol. Soc. Am. Abstr. w/ Prog.*, **20**:95-96.  
Schärer, U.\*, **Copeland, P.**, Harrison, T.M., and Searle, M.P., U-Pb and  $^{40}\text{Ar}/^{39}\text{Ar}$  geochronology of plutonism and metamorphism in the central Karakoram (N. Pakistan), *EOS*, **69**:520.  
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- 2007** **Copeland, P.\***, Watson, E.B., Canino, M., Cox, K., Rasbury T., Alpha thermochronology of calcite, Goldschmidt Conference (Cologne) Abstracts
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- 2010** Gordon, M.B.\*., Pall-Gordon, C., Blythe, A.E., **Copeland, P.**, Donelick, R., Deffontaines, B., and Angelier, J., Dating tectonic events on the Chortis block, GSA Denver, Paper No. 79-9.
- 2011** Tomlinson, D.W.\*., **Copeland, P.**, Lapen, T.J., and Murphy, M.A., Oligocene Shortening In The Little Burro Mountains, SW New Mexico, GSA Minneapolis, Paper No 6-6.

## FUNDING HISTORY

*Note: dollar amounts for collaborative grants are only the money that came to UH*

### CURRENT SUPPORT

none

### PENDING SUPPORT (TO BE SUBMITTED JAN 6, 2012)

*Project Title:* COLLABORATIVE RESEARCH: The Laramide orogeny in southwest New Mexico and southeast Arizona

*Principle investigator:* Peter Copeland (with M. Murphy, T. Lawton, and J. Quade)

*Source of support:* NSF (Earth Science Division) Tectonics Program

*Award amount:* \$809,580 total with \$312,831 (39%) to UH, \$269,053 (33%) to NM State, and \$227,696 (28%) to U. Arizona

*Period covered:* 6/07/12 — 5/31/15

### PAST SUPPORT

*Project Title:* Geochronology, geochemistry, and paleomagnetism of igneous rocks, Big Bend National Park area, Texas

*Principle investigator:* Peter Copeland

*Source of support:* University of Houston (Research Initiative Grant)

*Award amount:* \$6,000

*Period covered:* 4/1/91 — 8/31/91

*Project Title:* Field Trip to Nepal

*Principle investigator:* Peter Copeland

*Source of support:* University of Houston (Limited Grants in Aid)

*Award amount:* \$1,200

*Period covered:* 4/1/91 — 8/31/91

*Project Title:* COLLABORATIVE RESEARCH: Precise and detailed uplift history of an orogen: Quantitative constraints from  $^{40}\text{Ar}/^{39}\text{Ar}$  and fission-track thermochronometry

*Principle investigator:* Peter Copeland

*Source of support:* NSF (Earth Science Division) Tectonics Program (EAR-9017536)

*Award amount:* \$38,502

*Period covered:* 8/15/90 — 7/31/93

*Project Title:* Upgrade of the stable isotope laboratory at the University of Houston

*Principle investigator:* Peter Copeland, J. Lawrence

*Source of support:* University of Houston (Energy Lab)

*Award amount:* \$7,135

*Period covered:* 8/1/93 — 12/31/93



*Project Title:* COLLABORATIVE RESEARCH: Indo-Asian tectonics; Significance of Neogene uplift events

*Principle investigator:* Peter Copeland  
*Source of support:* NSF (Earth Science Division) Tectonics Program (EAR-9118827)  
*Award amount:* \$22,000  
*Period covered:* 4/1/92 — 3/31/94

*Project Title:* Establishment of a facility for  $^{40}\text{Ar}/^{39}\text{Ar}$  geochronology

*Principle investigator:* Peter Copeland  
*Source of support:* NSF (Earth Sci. Div., Inst. and Facilities Panel) EAR-9219905  
*Award amount:* \$276,600 (plus a UH match of \$92,200)  
*Period covered:* 4/1/93 — 3/31/95

*Project Title:* Assistance in the installation of the rare-gas mass spectrometer in the UH thermochronology lab

*Principle investigator:* Peter Copeland  
*Source of support:* University of Houston (Limited Grants in Aid)  
*Award amount:* \$1,500  
*Period covered:* 2/23/94 — 8/31/94

*Project Title:* Establishment of a facility for  $^{40}\text{Ar}/^{39}\text{Ar}$  geochronology (supplement)

*Principle investigator:* Peter Copeland  
*Source of support:* NSF (Earth Sci. Div., Inst. and Facilities Panel) EAR-9219905  
*Award amount:* \$12,500 (plus a UH match of \$12,500)  
*Period covered:* 2/23/94 — 3/31/95

*Project Title:* Paleomagnetism of the Siwalik Group in west Nepal

*Principle investigator:* Peter Copeland  
*Source of support:* National Geographic Society  
*Award amount:* \$25,770  
*Period covered:* 6/1/93 — 8/31/96

*Project Title:* Evolution of volcanism and modern volcanic hazards of the Lesser Antilles

*Principle investigator:* Peter Copeland  
*Source of support:* University of Houston (Limited Grants in Aid)  
*Award amount:* \$2,000  
*Period covered:* 4/1/91 — 8/31/91

*Project Title:*  $^{40}\text{Ar}/^{39}\text{Ar}$  analysis of detrital K-feldspars to determine the thermal history of sedimentary basins: expanding the toolbox in oil exploration

*Principle investigator:* Peter Copeland  
*Source of support:* University of Houston (Energy Lab)  
*Award amount:* \$12,000  
*Period covered:* 4/1/91 — 8/31/91

*Project Title:* Upgrade of the Thermochronology Lab, (U-Th)/He dating  
*Principle investigator:* Peter Copeland  
*Source of support:* Energy Lab, University of Houston  
*Award amount:* \$2,667  
*Period covered:* 9/1/97-8/31/98

*Project Title:* CNRS FELLOWSHIP (POST ROUGE)  
*Principle investigator:* Peter Copeland  
*Source of support:* Centre National du Science et Recherche  
*Award amount:* \$5,724 (31,482 FF)  
*Period covered:* 10/1/98-12/31/98

*Project Title:* The closure temperature of He in zircon and sphene  
*Principle investigator:* Peter Copeland  
*Source of support:* Advanced Technology Program, State of Texas  
*Award amount:* \$69,600  
*Period covered:* 1/1/98-12/31/00

*Project Title:* COLLABORATIVE RESEARCH: Late Cretaceous-Tertiary Foreland Basin Evolution in the Eastern Cordillera of Southern Bolivia  
*Principle investigator:* Peter Decelles (Univ. of Arizona) and Peter Copeland  
*Source of support:* NSF (Earth Science Division) Tectonics Program  
*Award amount:* \$23,396  
*Period covered:* 5/1/98-4/31/00

*Project Title:* Timing of volcanism in the southern Lesser Antilles  
*Principle investigator:* Peter Copeland  
*Source of support:* National Geographic Society  
*Amount: sought* \$13,400  
*Period covered:* 1/1/00-12/31/01

*Project Title:* A Test of the Out-of-Sequence Model for the Main Central Thrust in Western Nepal  
*Principle investigator:* Peter Copeland (Co-PI with Peter Decelles at University of Arizona)  
*Source of support:* University of Houston (Research Initiative Grant)  
*Award amount:* \$49,000  
*Period covered:* 4/1/02 — 8/31/04

*Project Title:* COLLABORATIVE RESEARCH: Crust-mantle interactions during continental growth and high-pressure rocks exhumation at an oblique arc-continent collision zone: SE Caribbean margin  
*Principle investigator:* P. Copeland (Co-PI with 10 others)  
*Source of support:* NSF (Earth Science Division) Continental Dynamics Program  
*Award amount:* \$245,333  
*Period covered:* 9/15/01-07/31/06

*Project Title:* Reconciling Geologic Observations along the Western and Southern Margins of the Tibetan Plateau

*Principle investigator:* P. Copeland

*Source of support:* Grants to Enhance and Advance Research (University of Houston)

*Award amount:* \$19,686

*Period covered:* 9/1/01-8/31/02

*Project Title:* Geological investigation of the juncture between the western and southern margins of the Tibetan plateau

*Principle investigator:* M. Murphy and P. Copeland

*Source of support:* NSF (Earth Science Division) Tectonics Program

*Award amount:* \$225,264

*Period covered:* 8/1/01-7/31/04

*Project Title:* A field test of the calcite (U+Th)/He thermochronometer

*Principle investigator:* P. Copeland

*Source of support:* Grants to Enhance and Advance Research (University of Houston)

*Award amount:* \$11,992

*Period covered:* 9/1/05-8/31/06

*Project Title:* Geochronology of Madagascar

*Principle investigator:* P. Copeland

*Source of support:* ExxonMobil

*Award amount:* \$10,000

*Period covered:* 9/1/05-8/31/06

*Project Title:* *Isotope thermochronology of sedimentary rocks*

*Principle investigator:* Peter Copeland

*Source of support:* Shell USA

*Award amount:* \$50,000

*Period covered:* 7/1/05 – 6/30/07

*Project Title:* Investigations in calcite thermochronology

*Principle investigator:* Peter Copeland

*Source of support:* ExxonMobil

*Award amount:* \$12,000

*Period covered:* 10/1/06 – 5/31/07

*Project Title:* COLLABORATIVE RESEARCH: He diffusion in Calcite

*Principle investigator:* Peter Copeland

*Source of support:* NSF (Earth Science Division) Geochemistry and Petrology (EAR-0609641)

*Award amount:* \$143,291

*Period covered:* 7/1/06 – 6/30/09

## *SERVICE*

### **Service to the Profession**

#### **REVIEWS BY P. COPELAND 1989-PRESENT**

#### **Journals and books**

*Analytical Chemistry* (1)  
*Basin Research* (1)  
*Canadian Journal of Earth Science* (2)  
*Chemical Geology* (1)  
*Contributions to Mineralogy and Petrology* (1)  
*Earth and Planetary Science Letters* (8)  
*EOS* (1)  
*Geochemica Cosmochemica Acta* (3)  
*Geological Society of America Bulletin* (205)  
*Geological Society of London Special Pub.* (1)  
*Geology* (34)  
*The Island Arc* (2)  
*Journal of Asian Earth Sciences* (2)  
*Journal of Geology* (2)  
*Journal of Geophysical Research* (4)  
*Journal of Metamorphic Geology* (2)  
*Journal of Petrology* (1)  
*Journal of Volcanology and Geothermal Res.* (2)  
*Nature* (4)  
*Neues Jarbuch für Mineralogie* (1)  
*Science* (8)  
*Tectonics* (13)

#### **Funding agencies**

Joint Oceanographic Institutions (2),  
National Geographic Society (2),  
NSF Earth Sci. Div.–Tectonics (42),  
NSF Earth Sci. Div.–Continental Dynamics (1),  
NSF Earth Sci. Div.–Geol & Paleon. (1),  
NSF Earth Sci. Div.–Instrument. & Facilities (15),  
NSF Earth Sci. Div.–Petrology and Geochem. (19)  
NSF Earth Sci. Div. - Ocean Sciences (1),  
NSF International Programs (1),  
NSF, Major Research Instrumentation (3),  
Petroleum Research Fund (3),  
Texas Parks and Wildlife Department (1),  
US Civilian Research and Development Found. (1)

#### **Textbook Publishers**

Dushkin-McGraw Hill (3)  
Prentice Hall (1)  
W. H. Freeman Co. (3)  
West Publishers (2), W. W. Norton (1)  
John Wiley and Sons (2)

Worth Publishers (2)  
Wm. C. Brown Publishers (1)

### **EDITORIAL DUTIES**

Editorial Board: *Geology*, 1993—1995

Associate Editor: *Geological Society of America Bulletin*, 1997—2000

Editor: *Geological Society of America Bulletin*, 2001-2004

Advisory Board: *Annual Editions: Geology*, Dushkin/McGraw Hill Publishers, 1997— 2001

Editorial Advisory Board: *Central European Journal of Geosciences*, 2009-

### **PROFESSIONAL COMMITTEES**

Member: Geological Society of America Publications Committee, 2002-2004

Member: Geological Society of America Structural Geology and Tectonics Section Committee 2007-2008.

## INVITED SEMINAR LECTURES (OUTSIDE UOFH)

	<b>Date</b>	<b>location</b>	<b>title</b>
<b>1992</b>	14 Feb.	University of Texas at Dallas, Department of Geosciences,	<i>Tectonic evolution of Himalaya and Tibetan plateau</i>
	6 Apr.	UCSD, Scripps Institute of Oceanography, La Jolla, CA	<i>How long did it take to produce the Tibetan plateau?</i>
<b>1993</b>	5 Nov.	Exxon Production Research Company, Houston, Texas	<i>What was the thermal history of this rock?</i>
	1 Dec.	Rice University, Department of Geology and Geophysics,	<i>It Happens in spurts – Exhumation of mountain belts</i>
<b>1994</b>	29 Apr.	University of Texas at Austin, Department of Geol. Sci,	<i><sup>40</sup>Ar/<sup>39</sup>Ar thermochronology: obtaining continuous thermal histories from 350 to 150 °C from K-feldspar analysis.</i>
	29 Apr.	University of Texas Institute of Geophysics, Austin, Texas	<i>A tour of the effects of the Indo-Asian collision: insights from <sup>40</sup>Ar/<sup>39</sup>Ar analysis</i>
	4 Nov.	University of New Orleans, Department of Geosciences,	<i>Episodic tectonism in the Himalaya and southern Tibetan Plateau during the Neogene</i>
<b>1995</b>	16 Aug.	Amoco Exploration Company, Houston Texas	<i>The <sup>40</sup>Ar/<sup>39</sup>Ar method: aiding the explorationist in stratigraphic, structural and thermal history problem</i>
<b>1996</b>	12 Apr.	Lunar and Planetary Institute, Houston, Texas	<i>Episodic Neogene tectonism in the Himalaya and southern Tibetan Plateau evidence from <sup>40</sup>Ar/<sup>39</sup>Ar thermochronology</i>
<b>1997</b>	26 Feb.	Shell Production Company, Bellaire, Texas	<i>Using the <sup>40</sup>Ar/<sup>39</sup>Ar method in stratigraphic, structural and thermal history problem</i>
	25 Apr	Department of Geosciences, Texas Tech University,	<i>Investigation of the Himalayan Mountain belt and its foreland basin through <sup>40</sup>Ar/<sup>39</sup>Ar analysis of muscovite</i>
	8 July	Amoco Exploration Company, Houston	<i>The potential of (U+Th)/He dating: thermochronometers in the oil window.</i>
<b>1998</b>	25 Mar.	Department of Geosciences, UNLV	<i>Thermal history of the Kathmandu nappe: Implications for thrust development</i>
	15 Oct.	Université Montpellier II, , Montpellier, France	<i>Mistakes and revelations: Tectonothermal history of the Himalayan thrust system in central Nepal</i>
	10 Nov.	Université Blaise Pascal, Clermont- Ferrand, FRANCE	<i>Mistakes and revelations: Tectonothermal history of the Himalayan thrust system in central Nepal</i>
	13 Nov	Centre de Recherches Petrographique et Geochimique, Nancy, France	<i>Mistakes and revelations: Tectonothermal history of the Himalayan thrust system in central Nepal</i>
<b>1999</b>	11 Nov.	Dept. of Earth and Space Sci., UCLA	<i>The Neogene tectonothermal history of the Himalayan thrust system in the Kathmandu region, Nepal</i>
<b>2004</b>	7 May	Shell USA, Houston	<i>Basin modeling and low-temperature isotope thermochronology:(U+Th)/He dating and hydrocarbon exploration</i>
	1 Dec	ExxoMobil Upstream Production Research	<i>He diffusion in Iceland spar: Implications for themochronology of limestones and marbles</i>
<b>2005</b>	24 Jan	Texas Bureau of Economic Geology, Austin	<i>He diffusion in Iceland spar: Implications for themochronology of limestones and marbles</i>
	18 March	ExxonMobil Production, Houston	<i>He diffusion in Iceland spar: Implications for themochronology of limestones and marbles</i>
<b>2006</b>	11 May	Dept. of Geology, University of Kansas	<i>Alpha thermochronology of calcite</i>
<b>2007</b>	6 March	Chevron-Texaco, Houston	<i>Themochronology of calcite: a new application of the (U+Th)/He dating system and its implications for studies of diagenesis, basin analysis, and landscape development</i>
	10 Oct.	Shell USA, Houston	<i>Calcite alpha thermochronology: progress and promise</i>
<b>2009</b>	6 March	University of Cincinnati	<i>Thermochronology: Geologic applications of our understanding of the diffusion of Ar and He</i>
<b>2010</b>	10 Sept.	Texas A&M University	<i>Alpha thermochronology of calcite</i>
	10 Sept.	Texas A&M University	<i>Oligocene Laramide tectonics in New Mexico and its implication for Farallon plate geodynamics</i>

## Service to the University

### SERVICE TO THE DEPARTMENT

academic year	1991 — 1992:	Personnel Committee
	Feb. 1992:	Organized display presentation “Geosciences at UofH” for South-Central GSA
	Spring 1993:	Organizer, Friday seminar series
	Fall 1993:	Organizer, Friday seminar series
academic year	1993 — 1994:	Materiel Committee
academic year	1994 — 1995:	Materiel Committee
academic year	1994 — 1995:	Personnel Committee
academic year	1995 — 1996:	Organizer, Friday seminar series
academic year	1996 — 1997:	Materiel Committee
academic year	1996 — 1997:	Graduate student recruitment coordinator
academic year	1996 — 1997:	Personnel Committee
academic year	1997 — 1998:	Personnel Committee
academic year	1997 — 1998:	Geophysics search committee
academic year	1997 — 1998:	Graduate student recruitment coordinator
academic year	1998 — 1999:	Graduate student recruitment coordinator
academic year	1998 — 1999:	Geophysics search committee
academic year	1999 — 2000:	Geology Graduate advisor
academic year	1999 — 2000:	Personnel Committee
academic year	1999 — 2000:	Scholarship Committee
academic year	2001 — 2002:	Geochemistry search committee
academic year	2002 — 2003:	Remote sensing search committee
academic year	2003 — 2004:	Personnel Committee
academic year	2005 — 2006:	Personnel Committee
academic year	2008 — 2009:	Geophysics PhD examination committee
academic year	2008 — 2009:	Geophysics PhD examination committee
academic year	2008 — 2009:	Geochemistry search committee

### SERVICE TO THE COLLEGE OF NATURAL SCIENCE AND MATHEMATICS

academic year	1991 — 1992:	Academic Honesty Board
	Summer 1993	Academic Honesty Board
academic year	1996 — 1997:	Academic Honesty Board
academic year	1996 — 1997:	Teaching Excellence Award Committee
academic year	1997 — 1998:	Teaching Excellence Award Committee
academic year	1998 — 1999:	Teaching Excellence Award Committee
academic year	2010 — 2011	NSM Honors Teaching Taskforce

## SERVICE TO THE UNIVERSITY OF HOUSTON

	Spring 1993	Reader, Writing Proficiency Exam
	August 1993	Participant, committee on Core Curriculum
	Fall 1993	Committee to develop proposal to Exxon Foundation (a \$1M proposal to establish the <i>University Scholars Community</i> )
academic year	1994— 1995	participant in University Scholars Program
	Fall 1997	Reader, Writing Proficiency Exam
	Fall 2008	Ad hoc committee on compliance with state work load policies (convened by the Provost)
	Spring 2010	Dean Review Committee, Social Work

## UNIVERSITY OF HOUSTON FACULTY SENATE

Geoscience Senator, 2001-present

At-large member of Executive Committee (elected position), 2002

Chair, Budget and Facilities Committee (appointed position), 2003

Secretary of the Senate (elected position), 2006

Ad-hoc committee on Long Range Planning, 2007

Budget and Facilities committee 2002-2009, 2011

Faculty Affairs Committee, 2001, 2010, 2012

## Service to the University

Participation in UTMB Reel Science panel, Aug. 4, 2011. (<http://www.facebook.com/pages/Reel-Science-at-UTMB/178315072236445?sk=info>)



## Courses Taught (number of students)

	Spring	Summer	Fall
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*State University of New York at Albany*

<b>1987</b>		Physical Geology (42)	
<b>1988</b>		Physical Geology (60)	

*University of Houston*

<b>1990</b>			Isotope Geochronology (4)
<b>1991</b>	Physical Geology (110)	Field Camp (6)	Physical Geology (196) Physical Geology (165)
<b>1992</b>	Field Methods (13)	Physical Geology (42)	
<b>1993</b>	Field Methods (13) Isotope Geochronology (3)	Field Camp (5)	Physical Geology (190) Physical Geology (120)
<b>1994</b>	Geologic Field Trip (7)	Physical Geology (83)	Physical Geology (160) Isotope Geochronology (4)
<b>1995</b>	Physical Geology (125)	Physical Geology (46)	Physical Geology (250)
<b>1996</b>	Field Methods (11) Physical Geology (140)	Field Camp (8)	Isotope Geochemistry (9)
<b>1997</b>	Petrogenesis (10) Physical Geology (175)		Isotope Geochemistry (5) Physical Geology (75)
<b>1998</b>	Field Methods (20) Physical Geology (125)	Field Camp (4) Physical Geology (50)	
<b>1999</b>	Petrogenesis (10) Physical Geology (125) Physical Geology (75)		Physical Geology (205) Dinosaurs, Mars and the Age of the Earth (22)
<b>2000</b>	Field Methods (18)	Field Camp (14)	Physical Geology (150) Physical Geology (80)
<b>2001</b>	Petrogenesis (9)		Physical Geology (135) Physical Geology (185)
<b>2002</b>	Isotope Geochemistry* (6)	Field Camp (8)	Physical Geology (100) Dinosaurs, Mars and the Age of the Earth (18)
<b>2003</b>	Petrogenesis (12)		Physical Geology (65)
<b>2004</b>	Petrogenesis* (10) Isotope Geochemistry* (10)	Field Camp (10)	Physical Geology (35) Physical Geology (75)
<b>2005</b>	Physical Geology (165) Petrogenesis* (7) Chronostratigraphy*† (22)		Physical Geology (80)
<b>2006</b>	Historical Geology (35) Isotope Geochemistry* (12)	Field Camp (19)	Physical Geology, Honors (64)
<b>2007</b>	Physical Geology (57) Historical Geology (34) Chronostratigraphy*† (10)		Physical Geology (75)
<b>2008</b>	Historical Geology (50) Isotope Geochemistry (5)	Physical Geology (41)	Igneous and Metamorphic Petrology (31) Chronostratigraphy*† (7)
<b>2009</b>	Physical Geology (75) Historical Geology (70)		Physical Geology, Honors (45) Historical Geology (60)
<b>2010</b>	Historical Geology (58) Chronostratigraphy*† (13)		Historical Geology (60)
<b>2011</b>	Historical Geology (61) Isotope Geochemistry (11)	Physical Geology (37)	Historical Geology (50) Chronostratigraphy*† (12)

<b>2012</b>	Historical Geology (60) Petrography (51)		
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\* team taught; † Accelerated Masters Program

Total number of students: 4,928

## Students Supervised

### *Major advisor*

#### *Ph.D.*

Armadno Altamira, 2001 –2009.

graduated under major supervision of another professor

Jean-François Lavigne, 1999, did not graduate

#### *Masters*

Philip Norlund, 1993—1995, Graduated Spring 1995.

M.S. Thesis: *Magnetostratigraphy and  $^{40}\text{Ar}/^{39}\text{Ar}$  analysis of the Siwalik Group, Dhansar Khola, southern Nepal: Constraining timing of uplift in the greater Himalaya.*

Employed at Landmark, Houston

Peter Claypool, 1992—1997, Graduated Spring 1997.

M.S. Thesis: *Magnetostratigraphy and petrology of the Siwalik Group, Tinau Khola, west-central Nepal: Implications for the tectonic evolution of the Nepal Himalaya*

Employed at Exxon, Houston

David Waibel, 1995—1998, did not graduate

Alexandru Maximiciuc, 2002-2005, Graduated 2005.

M.S. Thesis: *The magmatic evolution of M-series and C-series basalts within the context of the Grenadines Islands, southern Lesser Antilles*

Employed at PetroCanada, Calgary

Mary Canino, 2005- 2007, Graduated May 2007,

M.S. Thesis: *A field diffusion study of helium in calcite using the (U+Th)/He dating method for low-temperature thermochronology*

Employed at URS, Minneapolis

Katrina Cox 2005 – 2007, Graduated Aug 2007.

M.S. Thesis: *Calcite fossils as uranium/helium thermochronometers*

Employed at Exxon, Houston

Don Tomlinson 2009-2011, Graduated Dec. 2011

M.S. Thesis: *Oligocene shortening in the Little Burro Mountains, SW New Mexico and its implications for Laramide tectonics.*

now a UH Ph.D. student.

David Koenig, 2009-present

Employed at Exxon, Houston

#### *Senior Honors Thesis*

Kim Blizzard 1993—1995. ???

#### *Committee Member*

#### *Ph.D.*

Mike Krol (*Lehigh University*) 1991—1995

Konstantine Povlavski 1997 — 2001  
David Rajmon 1999 — 2003, Graduated Spring 03  
Ran Zhang, 2005 — 2009, Graduated Spring 09  
Veronica Sanchez, 2008 — 2011, Graduated Spring 2011  
Armando Altamira, 2009, Graduated 2009

***Masters***

Chad Smith (*Rice University*) 1995—1996  
Dan Imricke, 2008—2010

**Post-docs Supervised**

Guillaume Bertrand, 1999 –2000