**第十四届物理海洋学讲习班**

**“海洋、气候和环境变化”课程安排**

**2022.11.7-18，中国广州**

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| **第一周 腾讯会议ID： ，密码：**  |
| **时 间** | **内 容** | **主讲人** |
| 11月7日周一 | 08:15am-09:10am | Air-sea interaction at mid-high latitude, an introduction | 黄瑞新，WHOI，USA |
| 09:20am-10:15am | Atmospheric baroclinic instability in the global warming scenario | 林一骅中科院大气物理研究所 |
| 10:25am-11:20am | Air-sea interface and mixed layer dynamics | 裘波，U. Hawaii，USA |
| 02:45pm-03:35pm | 东北太平洋暖泡事件 | 刘秦玉，中国海洋大学 |
| 03:45pm-04:35pm | 热带海洋环境国家重点实验室简介 | 王春在，LTO |
| 11月8日周二 | 08:15am-09:10am | Wind-driven circulation in the world oceans | 黄瑞新，WHOI，USA |
| 09:20am-10:15am | Energetics of the oceanic general circulation | 黄瑞新，WHOI，USA |
| 10:25am-11:20am | Oceanic wave fundamentals | 裘波，U. Hawaii，USA |
| 02:45pm-05:15pm | 分三组讨论 |  |
| 11月9日周三 | 08:15am-09:10am | Thermohaline circulation and deepwater formation in the world oceans | 黄瑞新，WHOI，USA |
| 09:20am-10:15am | MOC, GOC and ZOC | 黄瑞新，WHOI，USA |
| 10:25am-11:20am | Upper ocean vertical circulation | 裘波，U. Hawaii，USA |
| 02:45pm-05:15pm | 分三组讨论 |  |
| 11月10日周四 | 08:15am-09:10am | Adjustment of circulation at high latitudes | 黄瑞新，WHOI，USA |
| 09:20am-10:15am | Sea water thermodynamics | 黄瑞新，WHOI，USA |
| 10:25am-11:20am | Tropical ENSO variability | 裘波，U. Hawaii，USA |
| 02:45pm-05:15pm | 分三组讨论 |  |
| 11月11日周五 | 08:15am-09:10am | Climate variability in the world oceans | 黄瑞新，WHOI，USA |
| 09:20am-10:15am | Adjustment of global circulation in response to global warming | 黄瑞新，WHOI，USA |
| 10:25am-11:20am | Kuroshio Extension and PDO variability | 裘波，U. Hawaii，USA |
| 02:45pm-05:15pm | 分三组讨论 |  |
| **第二周 腾讯会议 ID： ，会议密码：** |
| **时 间** | **内 容** | **主讲人** |
| 11月14日周一 | 08:15am-09:10am | Linkage between cross‑equatorial potential vorticity flux and near surface circulation and temperature over Northern hemisphere | 吴国雄，中科院大气物理研究所 |
| 09:20am-10:15am | Subtropical ENSO dynamics | 余进义，UCI，USA |
| 10:25am-11:20am | 大西洋多年代际变化对西太平洋的影响 | 吴宝兰香港科技大学（广州） |
| 02:30pm-03:25pm | Interactions between tropical Indian and Pacific Oceans | 张磊，LTO |
| 03:35pm-04:30pm | 大西洋经向翻转环流及热盐输送 | 李非栗，厦门大学 |
| 04:40pm-05:35pm | 全球变暖对季节的影响 | 管玉平，LTO |
| 11月15日周二 | 08:15am-09:10am | 地球系统中的氧循环—Ⅰ | 黄建平，兰州大学 |
| 09:20am-10:15am | 地球系统中的氧循环—Ⅱ | 黄建平，兰州大学 |
| 10:25am-11:20am | Explaining the opposite fall-to-winter variations in air-sea latent heat fluxes between the Western Boundary Currents and inner shelf waters | 宋翔洲，河海大学 |
| 02:30pm-03:25pm | Progress in understanding the Indian Ocean circulation and climate variability 1 | 冯明，澳大利亚CSIRO |
| 03:35pm-04:30pm | Progress in understanding the Indian Ocean circulation and climate variability 2 | 冯明，澳大利亚CSIRO |
| 04:40pm-05:35pm | 风生与潮致近惯性内波的相互增强效应 | 陈植武，LTO |
| 11月16日周三 | 08:15am-09:10am | Intensifying Arctic Cyclone Activity and Air-Ice-Sea Interactions | 张向东University of Alaska |
| 09:20am-10:15am | Upper ocean current acceleration due to surface heating | 彭启华，UCSD，USA |
| 10:25am-11:20am | 热带海-气间潜热通量数据产品的评估及其研制 | 王鑫，LTO |
| 02:30pm-03:25pm | Poleward shifting oceanic and atmospheric circulation under warming climate: evidence, mechanism and implications | 杨虎德国AWI极地与海洋研究所 |
| 03:35pm-04:30pm | 长期气候变化如何影响短期极端天气：基于多尺度相互作用阻塞理论的认识 | 罗德海，中科院大气物理研究所 |
| 04:40pm-05:35pm | 识别和预测极端天气气候事件的扰动法 | 钱维宏，北京大学 |
| 11月17日周四 | 08:15am-09:10am | The 11-year solar cycle and its amplification through subtropical air-sea coupling | 余进义，UCI，USA |
| 09:20am-10:15am | North Pacific marine heatwave and its associated Pacific-Atlantic interactions | 余进义，UCI，USA |
| 10:25am-11:20am | 季节内降水预报的初步尝试 | 周磊，上海交通大学 |
| 02:30pm-03:25pm | 海洋热输送及其气候效应 | 林霄沛，中国海洋大学 |
| 03:35pm-04:30pm | 波浪效应对近岸亚中尺度过程的影响 | 王鹏，中山大学 |
| 04:40pm-05:35pm | Climate is beyond ocean-atmosphere interactions: Three-ocean interactions | 王春在，LTO |
| 11月18日周五 | 08:15am-09:10am | Digital Twin Ocean for China Coastal Seas | 柴扉，自然资源部第二海洋研究所 |
| 09:20am-10:15am | Multi-scale Variability in the Indonesian Seas | 薛惠洁，厦门大学 |
| 10:25am-11:20am | 泛南海地区春季海洋-大气加热的成因及影响分析 | 杨崧，中山大学 |
| 02:30pm-03:25pm | 南海层环流的热点动力 | 甘剑平，香港科技大学 |
| 03:35pm-04:30pm | Marine heatwaves in the South China Sea: Patterns, variations and mechanisms | 王春在，LTO |
| 04:40pm-05:00pm | 总结，发证书 |  |
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