

平成 28 年 1 月 9 日
応用物理学会北海道支部
会員各位

応用物理学会北海道支部講演会のお知らせ

下記講演会を開催いたしますので、多数ご参加下さいますようご案内申し上げます。

演題：Progress toward images of nearby solar systems

講師：E. Serabyn 氏

(Jet Propulsion Laboratory, California Institute of Technology, Senior Research Scientist)

日時：平成 28 年 1 月 26 日（火） 16:30～17:30

場所：室蘭工業大学教育・研究 1 号館 C103

主催：応用物理学会北海道支部

講演の要旨

In the twenty years since the first detections of extrasolar planets around nearby stars, thousands of extrasolar planets and planet candidates have been discovered, mainly by indirect methods such as radial velocity measurements and transit observations. Direct imaging observations remain much more difficult, because the very bright starlight must be suppressed by many orders of magnitude to allow much fainter planets to be seen. This requires very precise control over both diffracted and scattered starlight. Ongoing progress to reach smaller angles with novel coronagraphs and deeper contrasts with adaptive optics are beginning to open up this field, and the first images of young, bright exoplanets are in hand. The ultimate goals are the detection of terrestrial planets around nearby stars, especially those capable of harboring life, and future space missions are being considered that should take us to this goal.

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